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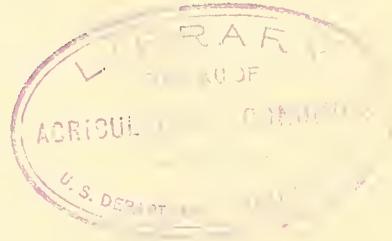
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UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics

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STATISTICS OF THE DAIRY INDUSTRY  
WITH SPECIAL REFERENCE TO  
THE ELEVEN WESTERN STATES

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Washington, D. C.  
September, 1926



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## INTRODUCTION

The statistics in this report relate to the dairy industry with special emphasis placed on the eleven Western States (Montana, Wyoming, Colorado, New Mexico and the seven states lying to the west thereof). The data presented were assembled at the request of the Extension Directors of these states. The information is desired by the State Agencies for use in connection with dairy extension program making.

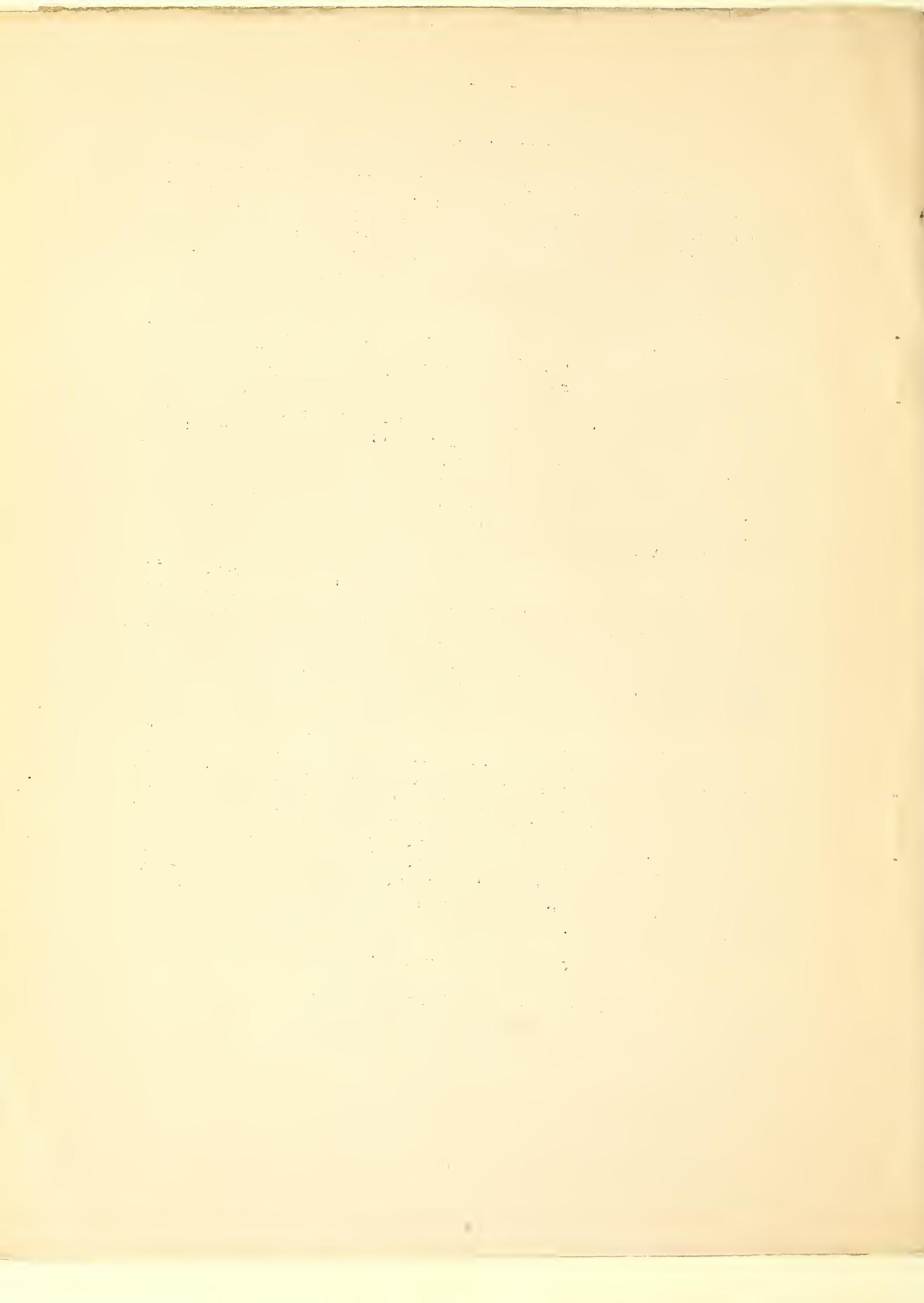
The eleven Western States, in the main, are a surplus agricultural producing region. That is, there is generally a surplus of the principal farm products. Many of these products are bulky and the surplus must be shipped to distant markets. Transportation charges are usually relatively high on bulky commodities and the charges tend to increase with the length of the haul. Furthermore many of the bulky products are perishable, must reach the consumer within a limited time, and their production entails considerable risk. Hence, many of the farmers of the Western States operate under great disadvantages as compared with producers near the primary markets.

These handicaps, it has been suggested, may be overcome in part at least by giving more attention to the production of commodities for distant shipment that can be marketed in a condensed form. With this end in view the production of butter, cheese, condensed and evaporated milk, and powdered cream and milk has been strongly advocated as one way out of the difficulty for many Western farmers.

It is not within the scope of this report to show whether dairying should be increased or decreased in any State, district or locality. All that is attempted is a presentation of the statistical background of the dairy industry with special reference to the Western States. The data are presented in both graphic and tabular form. Both the charts and tables have been arranged in groups showing (1) supply statistics, (2) demand and use of dairy products, and (3) marketing statistics. The table of contents indicates which charts and tables deal with the respective subdivisions of the subject.

Compiled by Byron Hunter

Associate Agricultural Economist



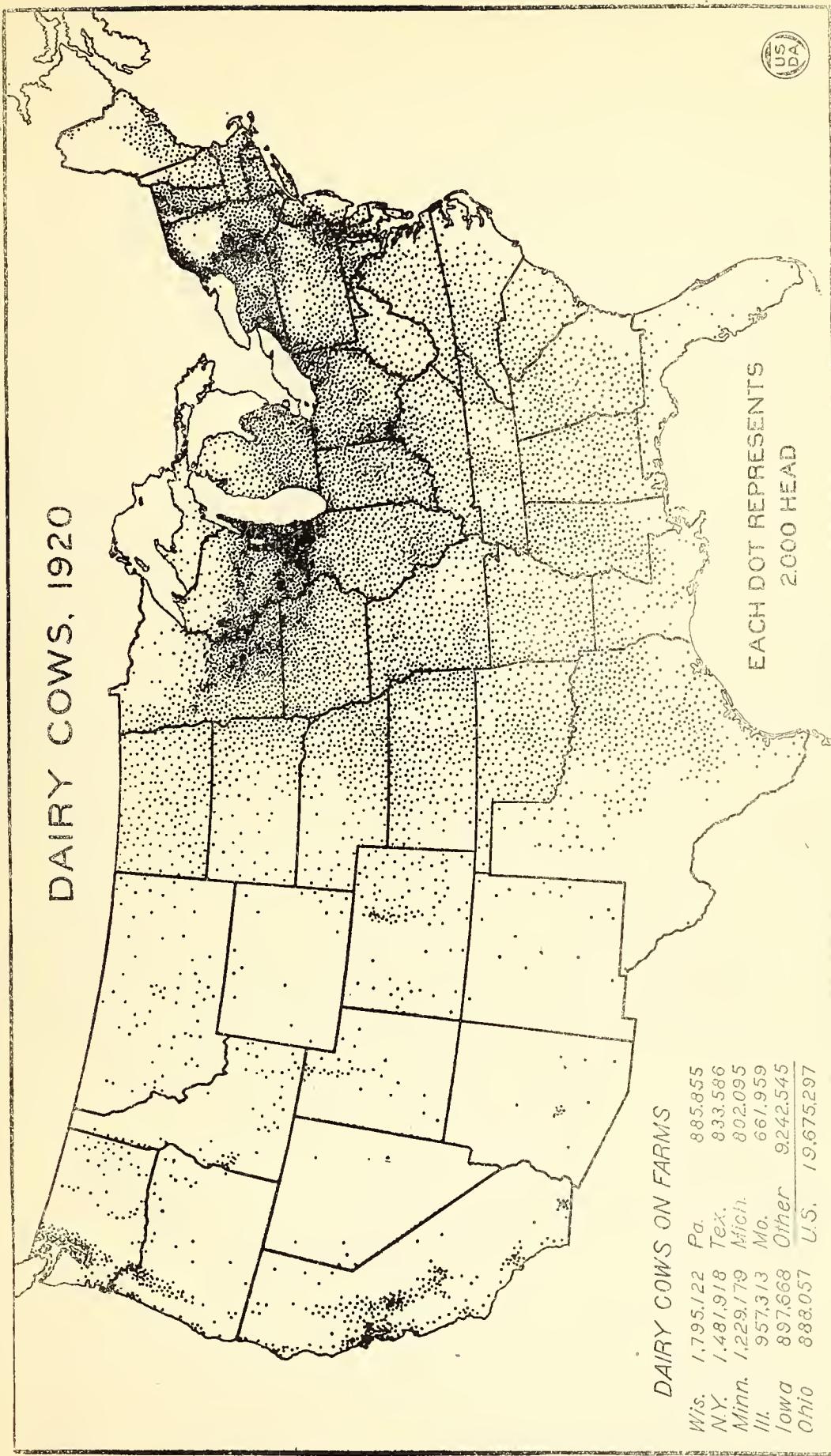
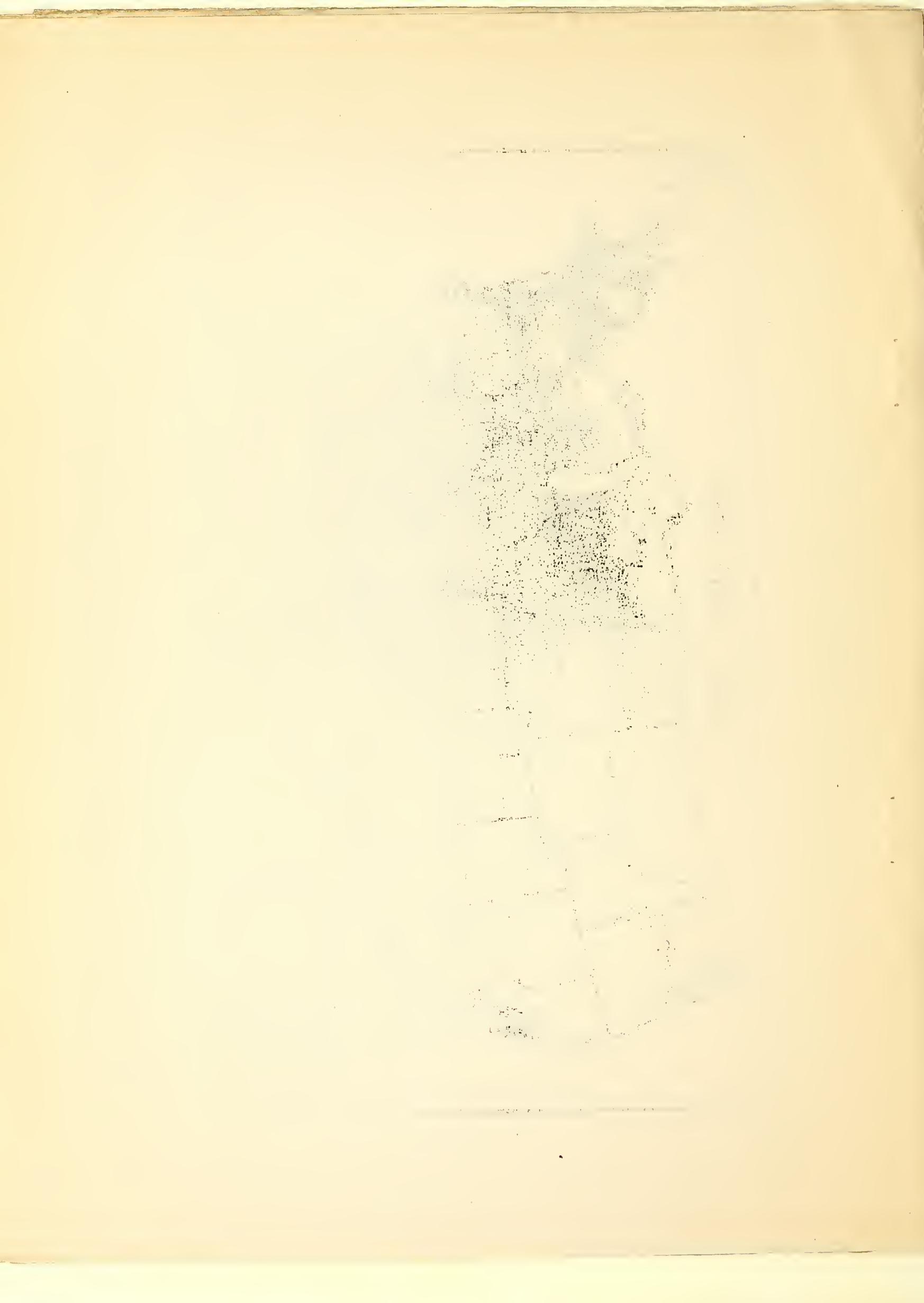


Fig. 1. The "dairy belt", extends from Southern Minnesota eastward to the Atlantic Ocean. In number of dairy cows in 1920 Wisconsin took first rank, New York second, and Minnesota third. Less than 8 per cent of the dairy cows were in the 11 Western States in 1920.



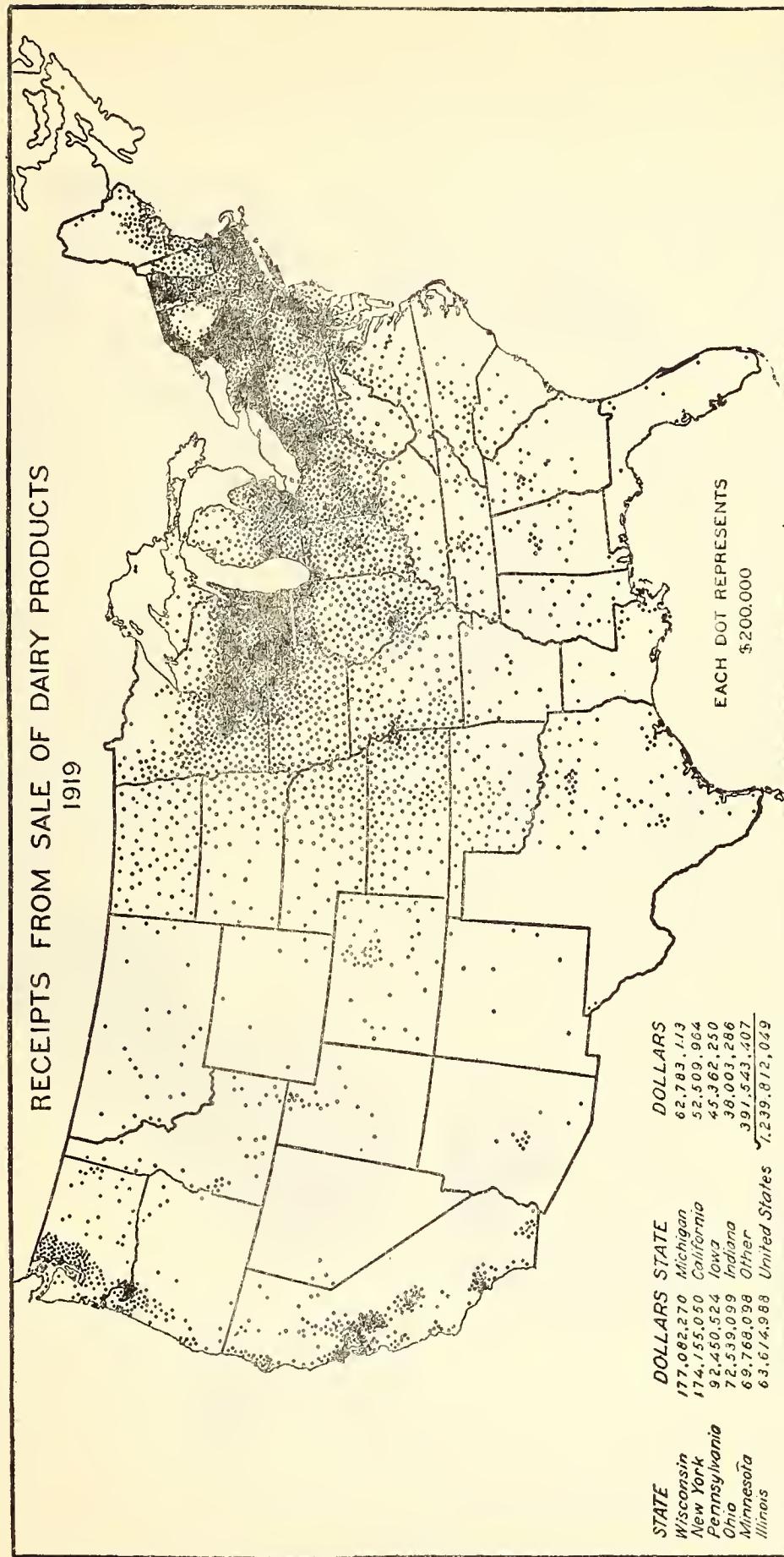


Fig. 2. Commercial dairying is centered in the North Atlantic States and the States adjacent to the Great Lakes. Outside of this general dairy region, dairy centers may be noted also near large cities.



RECEIPTS FROM FARM SALES OF DAIRY PRODUCTS FROM  
ELEVEN WESTERN STATES, BY COUNTIES  
(1919 Census)

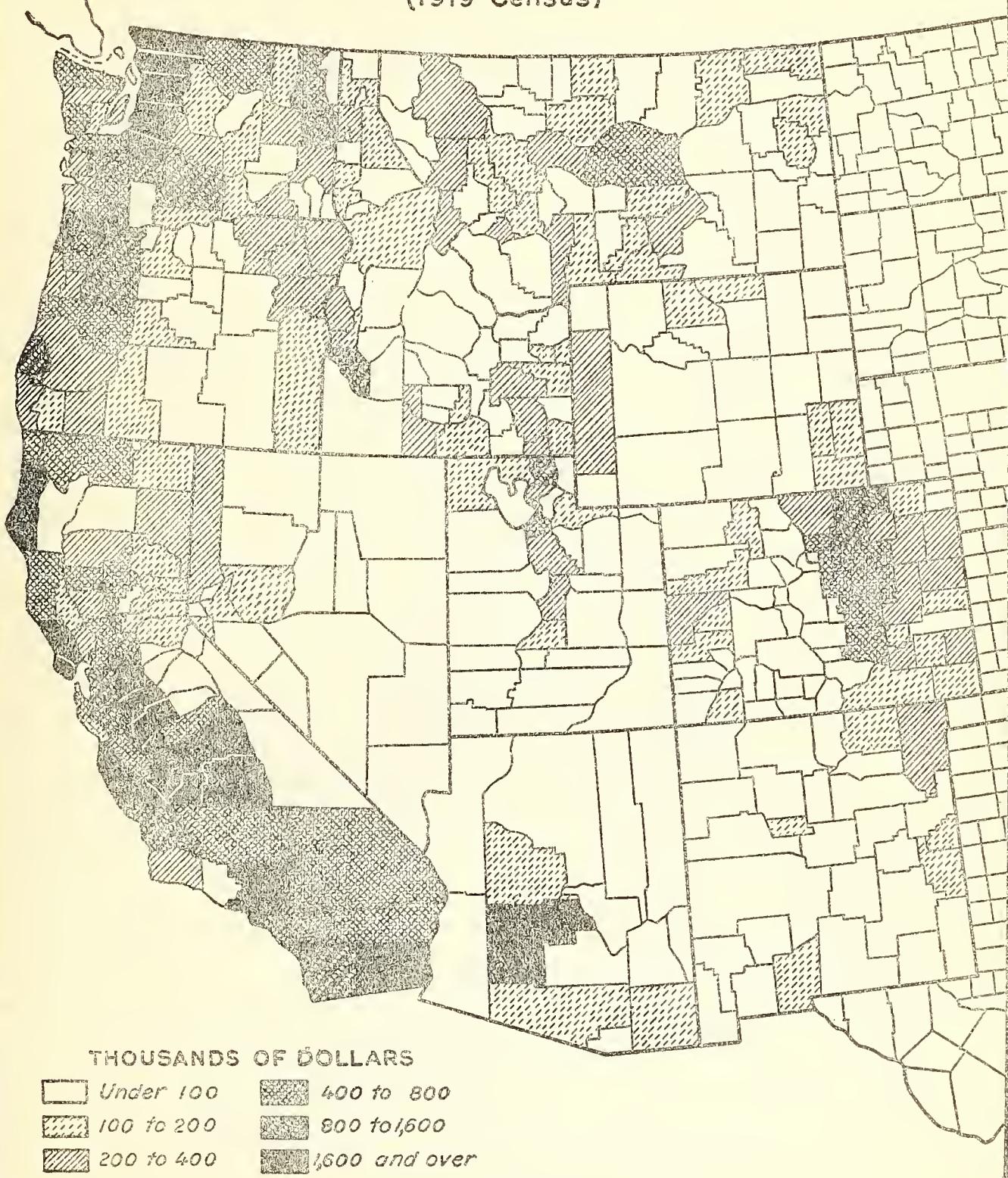


Fig. 3. The principal commercial dairy districts of the 11 Western States are in the western parts of Washington, Oregon and California. In the Mountain States commercial dairy centers are usually found where irrigation is practiced.



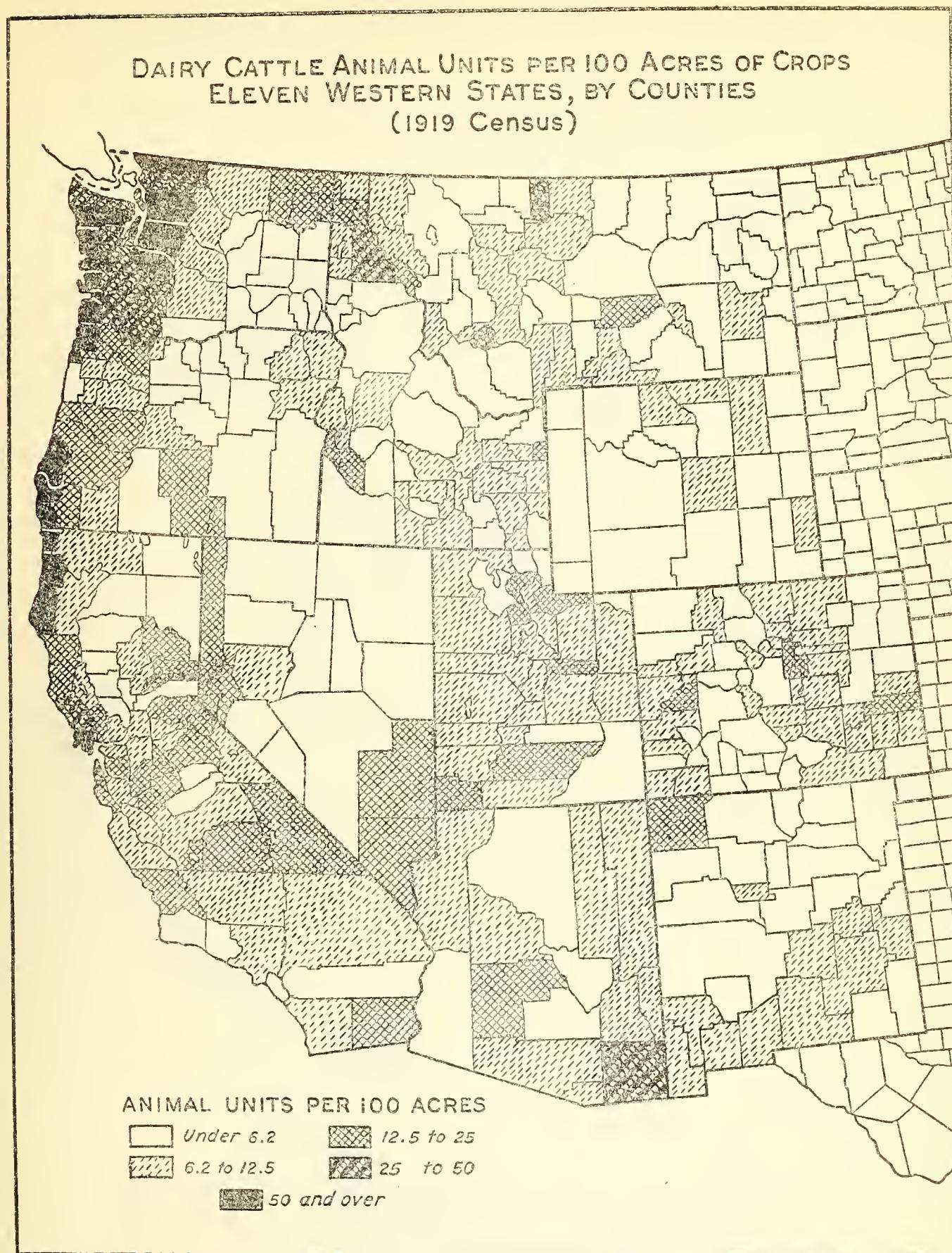


Fig. 4. Dairy cattle animal units per 100 acres of crops in 1920 varied greatly in the 11 Western States. The highest number were in coast counties of Washington, Oregon and California. As here used a cow, a mature bull, or steer, each represents an animal unit. Two head of young cattle represent an animal unit.



PERCENTAGE OF ALL LAND IN CROPS  
ELEVEN WESTERN STATES, BY COUNTIES  
(1919 Census)

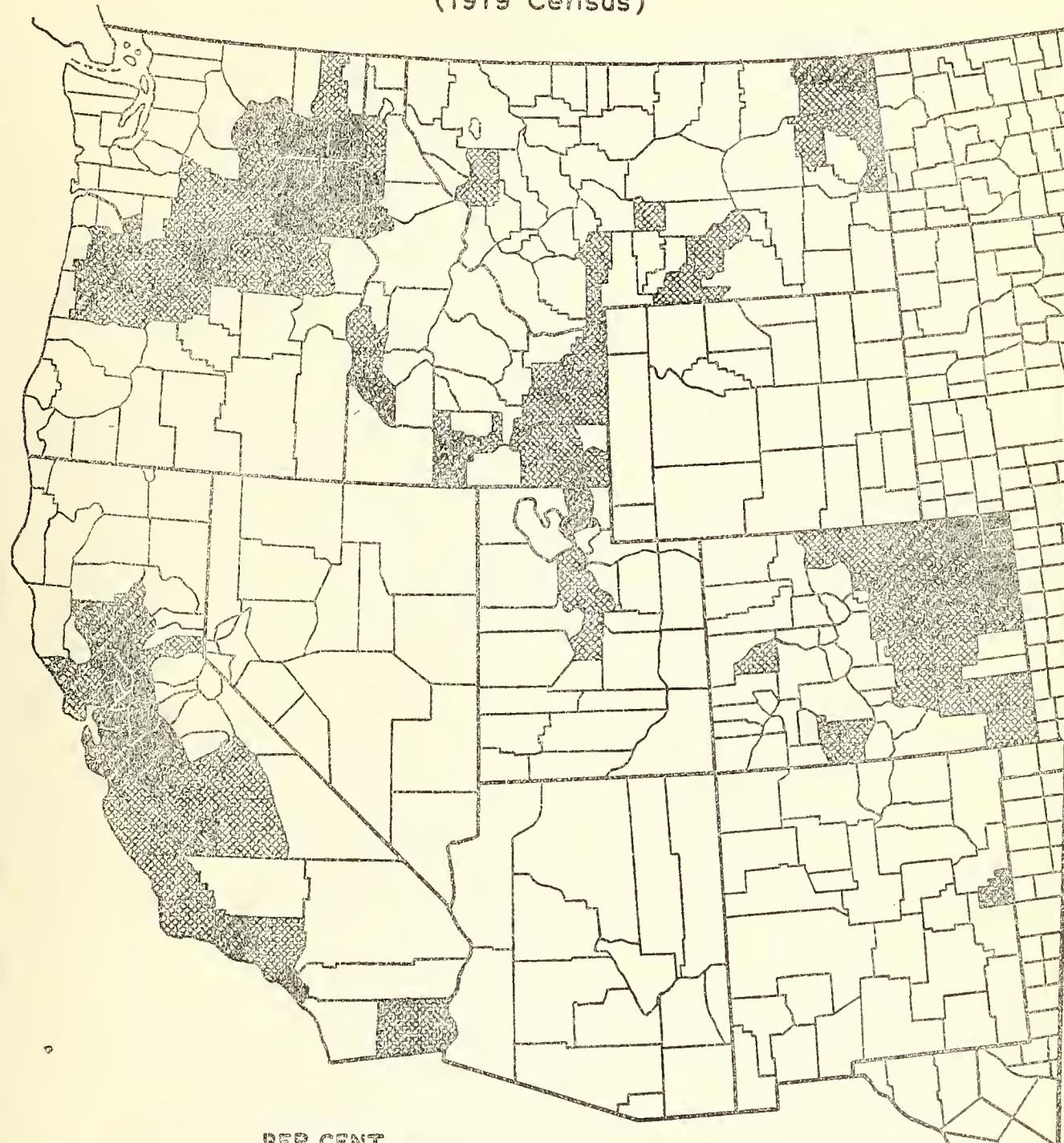


Fig. 5. Most of the counties of the 11 Western States had less than 6.2 per cent of the land in crops in 1919 and no county had over 50 per cent. Although the dairy cattle animal units per 100 acres of crops are high in certain counties (Fig. 4) the total number per county may be low because so little of the land is in crops.



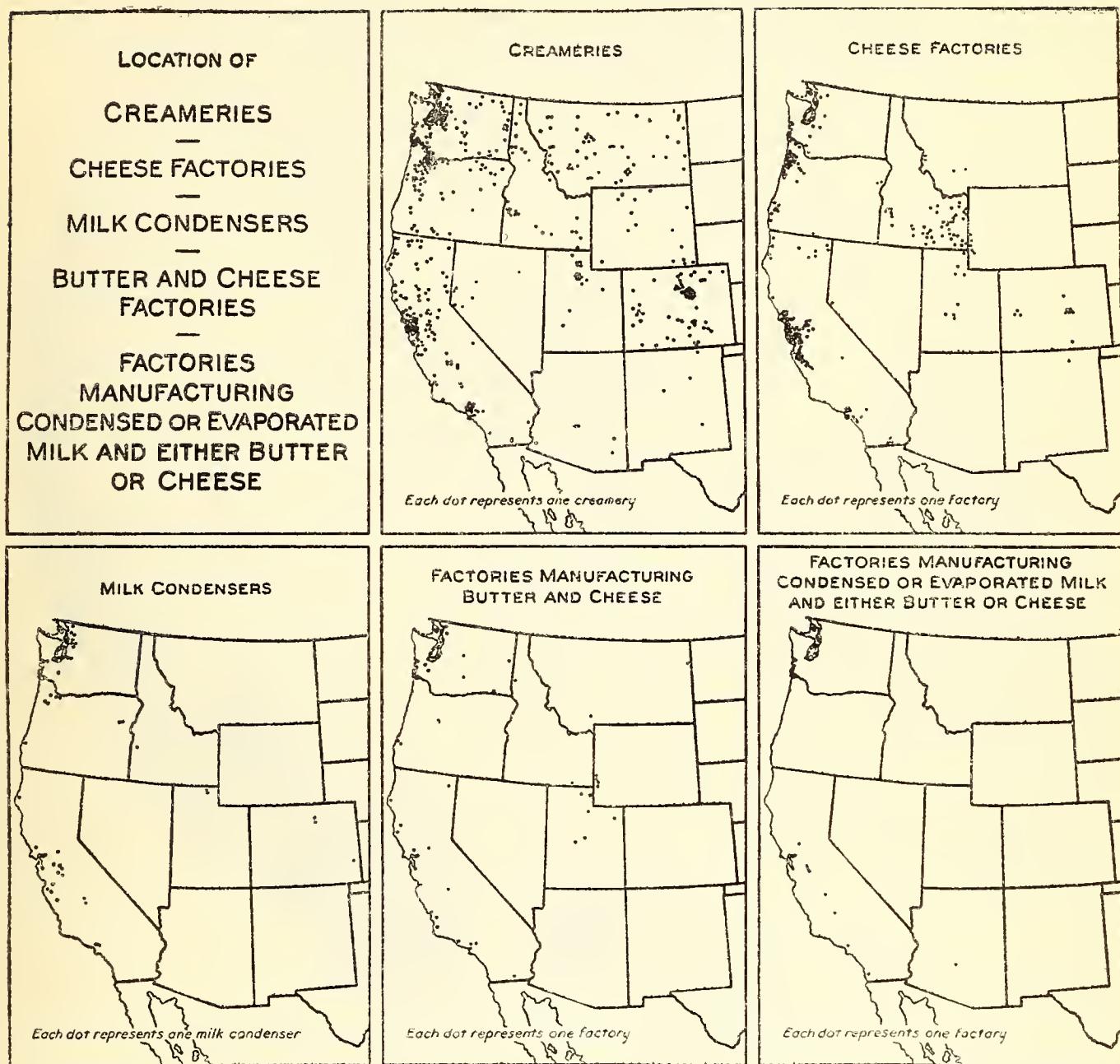
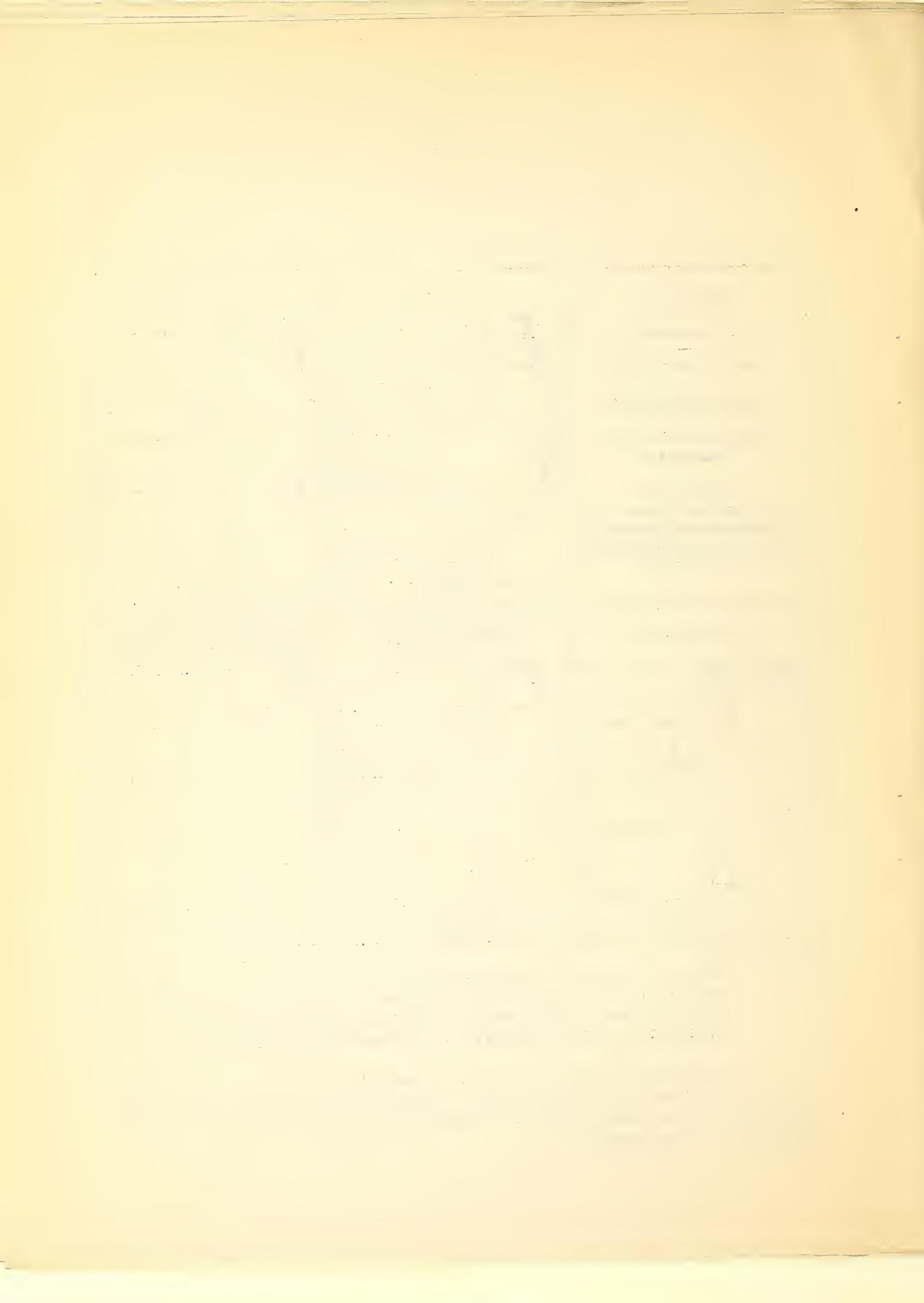


Fig. 6. Much of the dairy farming is done in the vicinity of the manufacturing plants. Cream may be shipped a considerable distance, but the milk received by cheese factories and condenseries is usually produced within a few miles of the manufacturing plants.

The data for California were compiled from Special Publication No. 62, California State Department of Agriculture. Data for the other 10 states are of 1926 and were furnished by Dairy and Poultry Products Division of this Bureau.



TOTAL PRODUCTION OF MILK INCLUDING ESTIMATES IN  
THE ELEVEN WESTERN STATES, BY COUNTIES  
(1919 Census)

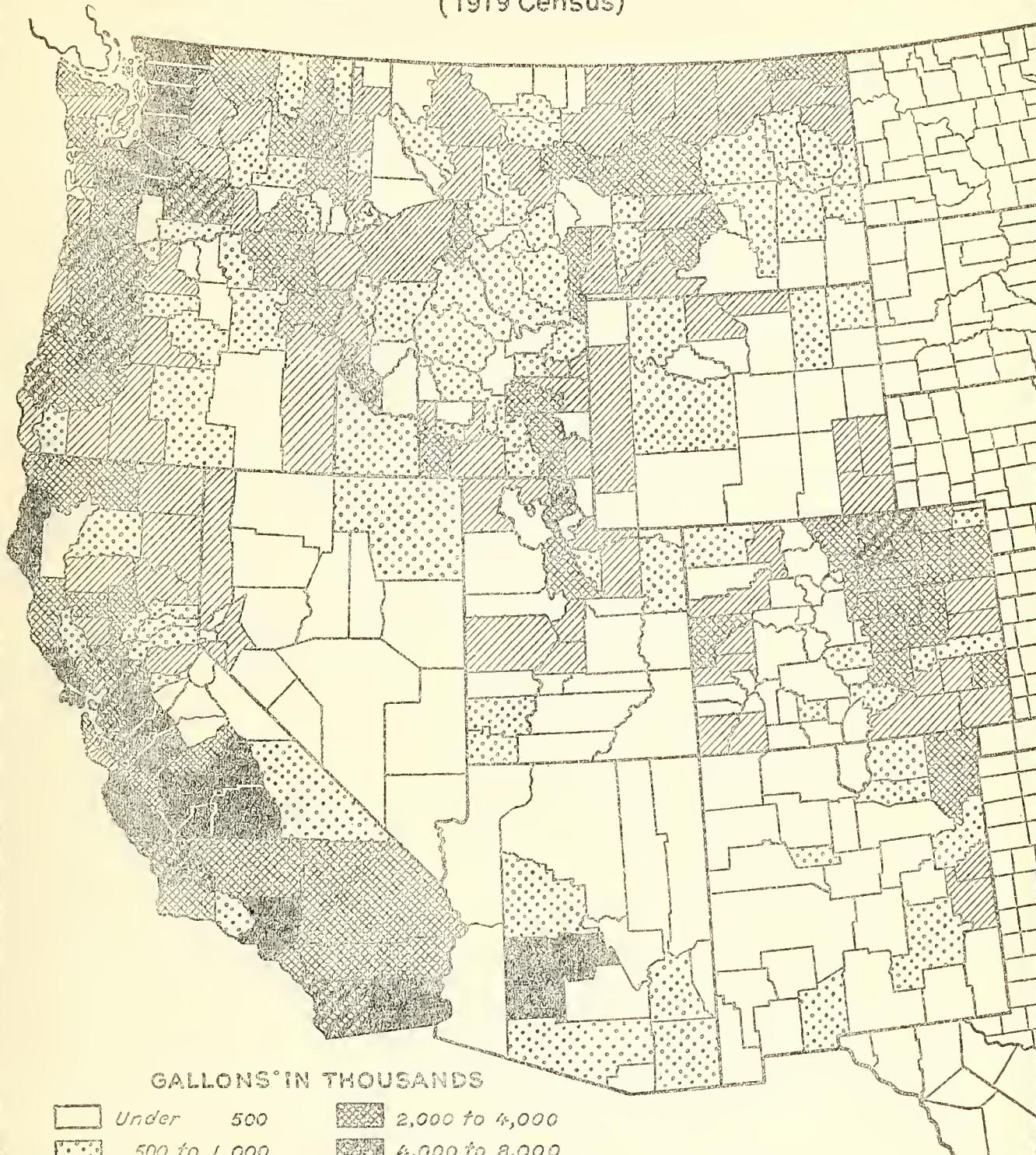


Fig. 7. Total milk production per county in the 11 Western States in 1919 varied from less than 500,000 gallons to about 24,000,000 gallons. Five counties in California produced over 15,000,000 gallons, Stanislaus County being highest with about 24,500,000 gallons.



MILK-TOTAL PRODUCTION  
ELEVEN WESTERN STATES, BY COUNTIES, 1924  
(Based on 1925 Census Figures)

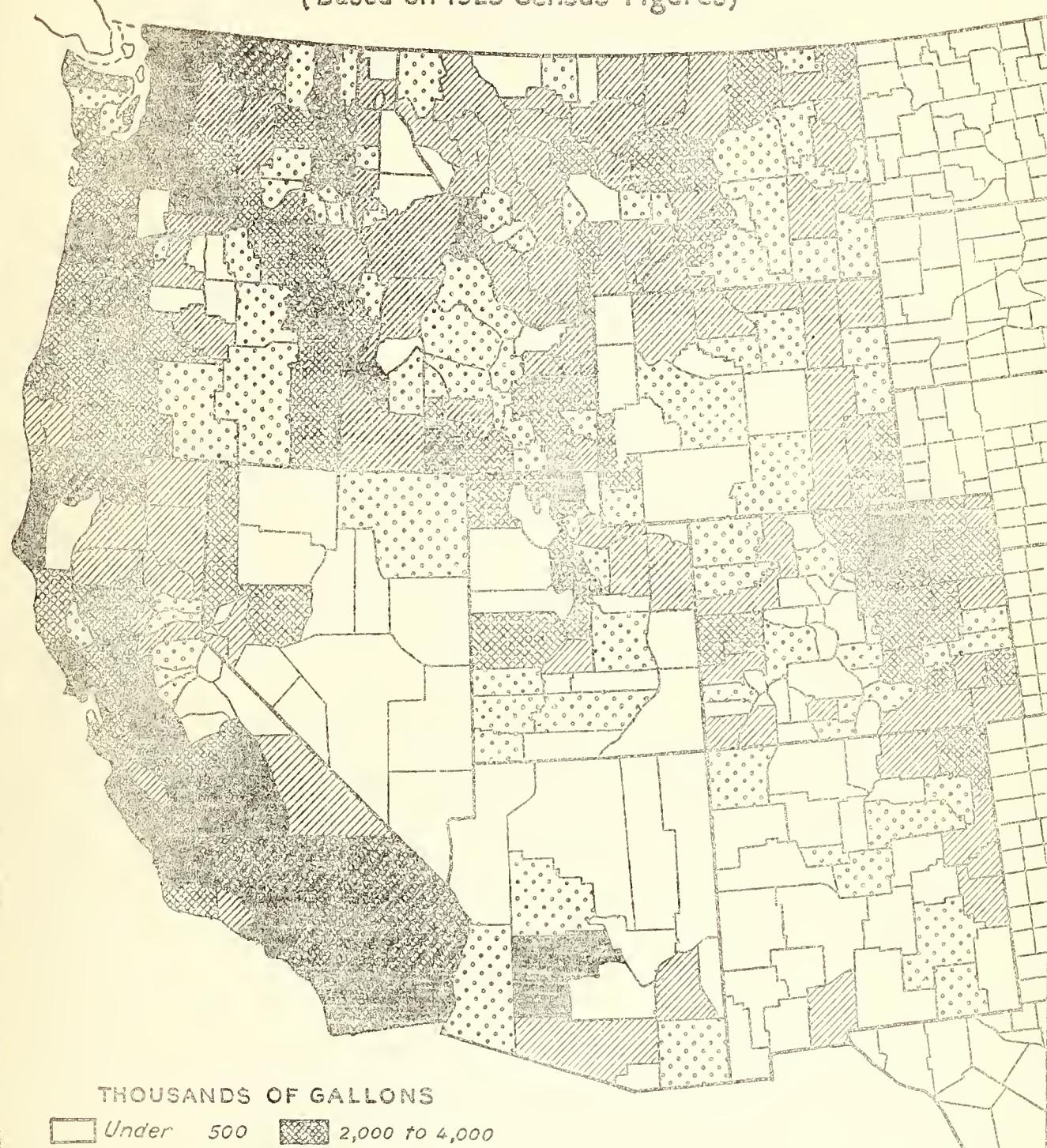


Fig. 8. This chart makes the same comparisons as Fig. 7 except the data are for 1924. The total production of milk increased materially in many of the counties from 1919 to 1924. One gallon of milk equals 8.6 pounds.



COWS AND HEIFERS  
TWO YEARS OLD AND OLDER KEPT FOR MILK  
Estimated Number on Farms, Jan. 1, 1920-'26

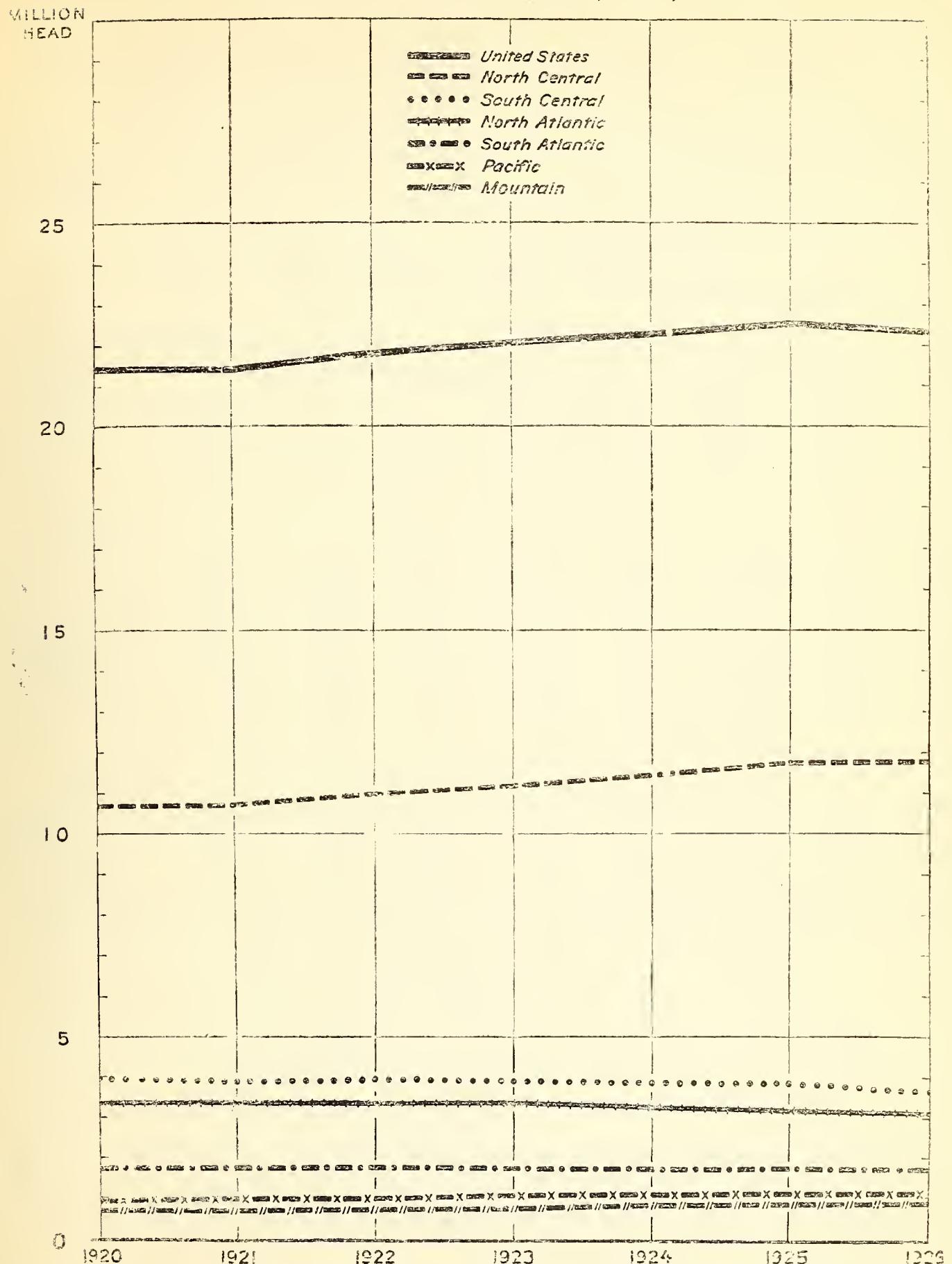


Fig. 9. The number of dairy cows of the United States increased about 4 per cent from 1920 to 1926. The increase in the Mountain, Pacific and North Central States during this time was approximately 21, 14 and 11 per cent respectively. In the other geographic divisions there were decreases.

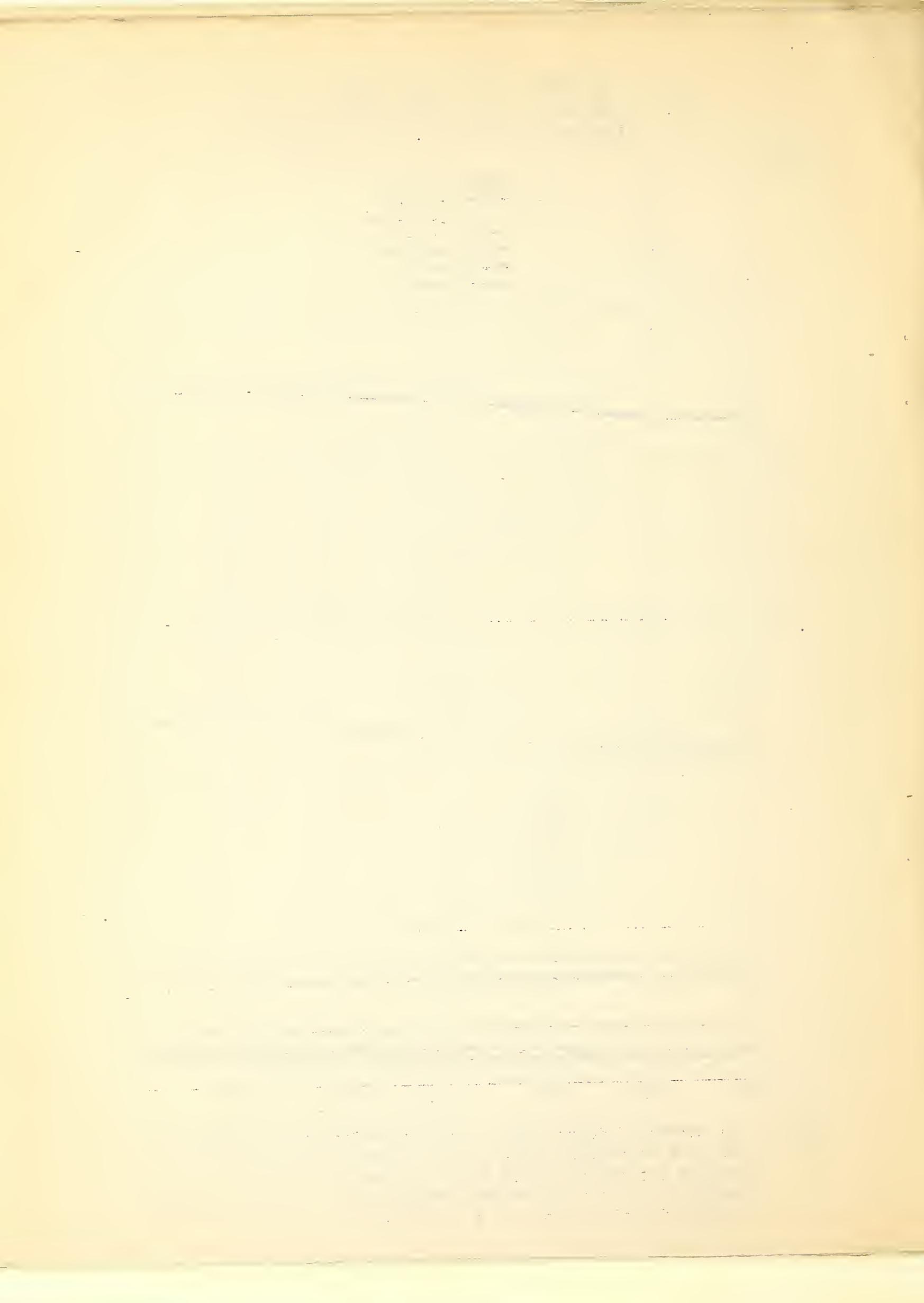


Table 1 - Cows and heifers two years old and over, kept for milk: Estimated number on farms January 1, 1920 - 1926

Division and State	1920/2	1921/3	1922/3	1923/3	1924/3	1925/4	1926/3	1926 is of 1920	Percentage
	Thou- sands	Thou- sards	Per cent						
United States	21,427	21,408	21,788	22,063	22,255	22,523	22,290		104
N. Atlantic	3,375	3,356	3,348	3,358	3,283	3,214	3,137		93
N. Central	10,683	10,734	10,996	11,206	11,463	11,753	11,813		111
S. Atlantic	1,745	1,752	1,770	1,768	1,749	1,752	1,714		98
S. Central	3,959	3,877	3,930	3,913	3,869	3,866	3,678		93
Mountain	702	707	737	763	803	844	850		121
Pacific	950	982	1,007	1,055	1,088	1,094	1,098		114
Mountain States									
Montana	148	148	155	162	174	187	192		130
Idaho	118	122	128	134	147	160	163		138
Wyoming	55	57	59	62	64	66	69		125
Colorado	202	202	206	209	217	224	222		110
New Mexico	58	61	63	63	63	64	64		110
Arizona	35	30	35	36	36	37	32		91
Utah	72	72	75	80	84	87	88		122
Nevada	14	15	16	17	18	19	20		143
Pacific States									
Washington	245	250	255	270	275	284	275		112
Oregon	200	202	202	205	218	225	220		110
California	515	530	550	580	595	585	603		117

1/ North Atlantic - Maine, N. H., Vt., Mass., R. I., Conn., N. J., N. Y., Pa.

North Central - Ohio, Ind., Ill., Mich., Wis., Minn., Ia., Mo., N. D., S. D., Nebr., Kan.

South Atlantic - Del., Md., Va., W. Va., N. C., S. C., Ga., Fla.

South Central - Ky., Tenn., Ala., Miss., Ark., La., Texas, Okla.

Mountain - Mont., Ida., Wyo., Colo., N. M., Ariz., Utah, Nev.

Pacific - Washington, Oregon, California.

2/ Based on analysis and interpretation of Dairy Cow and Heifer, and Beef Cow and Heifer figures, Census of 1920.

3/ Based on data from the Division of Crop and Livestock Estimates.

4/ Based on analysis and interpretation of Dairy Cows and Heifers, Beef Cows and Heifers, and Cows Milked, preliminary report, Census of 1925.



## COWS AND HEIFERS

### 'TWO YEARS OLD AND OVER KEPT FOR MILK

#### Estimated Number Per 1,000 of Human Population by Geographic Divisions, 1920-1926

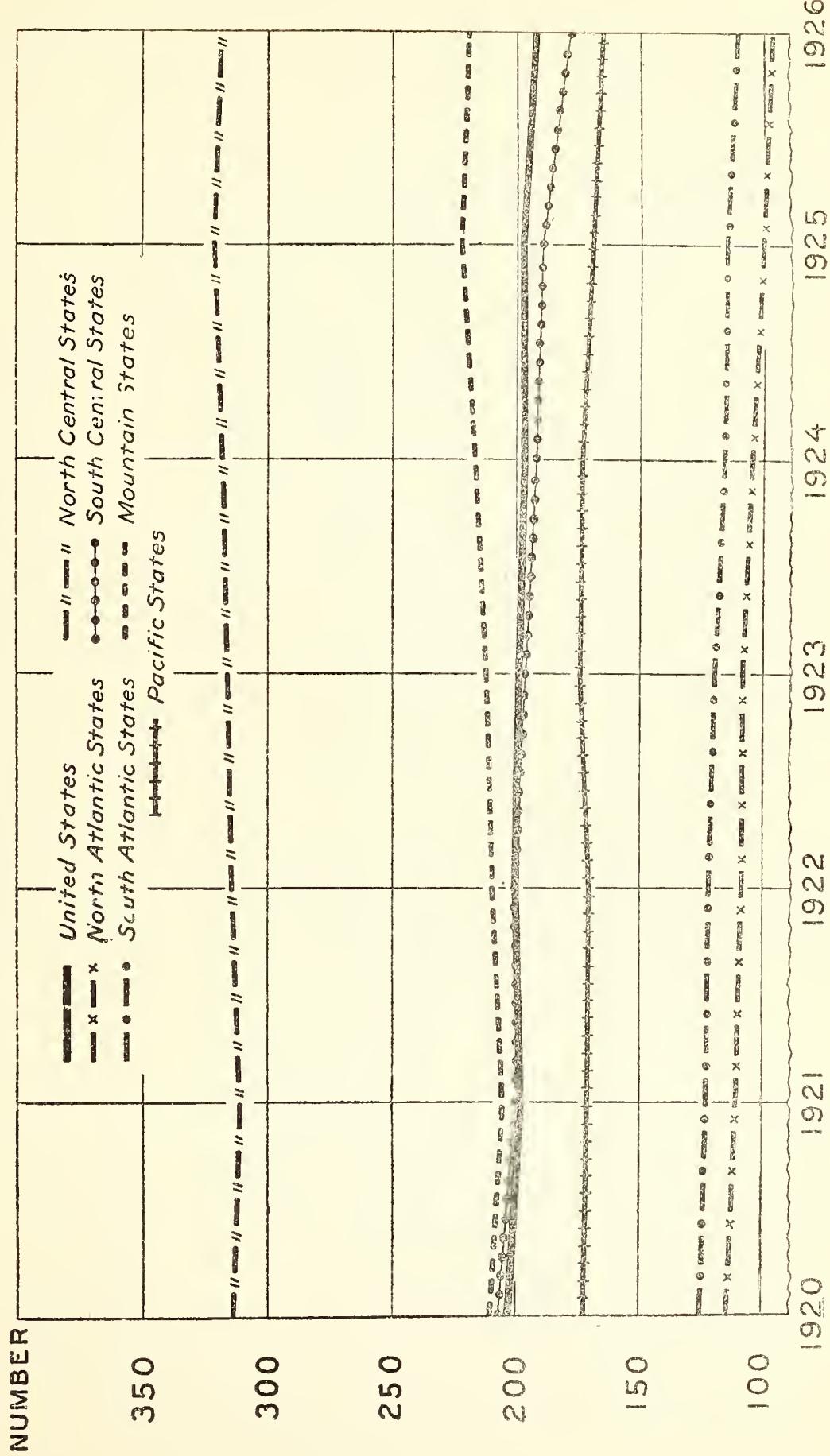


Fig. 10. There was a general decrease in the number of dairy cows and heifers two years old and over kept for milk per 1000 persons from 1920 to 1926. For the United States as a whole the decrease was 5 per cent during this period. It was 15 per cent, 12 per cent and 4 per cent, respectively, in the North Atlantic, South Central, South Atlantic and the Pacific States. In the Mountain States the number increased 4 per cent and in the North Central States 2 per cent. Of the 11 Western States, Nevada had the greatest increase (30 per cent) and Arizona the greatest decrease (30 per cent).



Table 2 - Cows and heifers two years old and over kept for milk per 1,000 persons: Estimated number January 1, 1920-1926

Division and State	1920	1921	1922	1923	1924	1925	1926	Percenta ge of 1920
								Per cent
United States	203	199	200	199	197	197	192	95
North Atlantic	114	111	109	108	104	100	97	85
North Central	314	311	314	316	318	321	319	102
South Atlantic	125	123	122	120	116	115	110	88
South Central	207	200	200	197	192	189	178	86
Mountain	210	206	210	212	217	222	219	104
Pacific	172	171	170	174	173	169	165	96
Mountain States								
Montana	270	259	261	264	273	282	281	104
Idaho	273	274	279	285	302	319	317	116
Wyoming	282	284	285	292	292	292	296	105
Colorado	215	211	211	211	214	217	211	98
New Mexico	161	167	171	169	167	168	166	103
Arizona	105	86	95	94	90	88	73	70
Utah	160	157	160	167	172	174	173	108
Nevada	182	195	208	221	234	247	260	143
Pacific States								
Washington	181	181	181	188	187	190	180	99
Oregon	255	253	249	248	259	263	253	99
California	150	149	149	152	150	142	142	95



Table 3 - Cows and heifers two years old and over, kept for milk: Estimated value per head on farms January 1, 1920-1926

Division and State	1920	1921	1922	1923	1924	1925	1926
	<u>Dols.</u>	<u>Dols</u>	<u>Dols</u>	<u>Dols</u>	<u>Dols</u>	<u>Dols</u>	<u>Dols</u>
United States	86	64	51	51	52	51	57
North Atlantic	102	76	65	63	65	63	78
North Central	88	63	51	53	55	54	60
South Atlantic	76	59	43	41	42	41	42
South Central	68	52	37	33	31	31	34
Mountain	85	74	62	59	58	50	57
Pacific	92	86	72	69	72	68	71
Mountain States							
Montana	83	75	58	55	53	50	54
Idaho	85	72	65	63	62	50	64
Wyoming	93	75	71	67	57	50	55
Colorado	87	70	57	53	50	45	50
New Mexico	83	73	60	50	50	45	46
Arizona	95	105	95	93	85	70	70
Utah	78	70	61	63	72	58	68
Nevada	88	86	69	74	83	60	75
Pacific States							
Washington	88	75	70	61	71	65	66
Oregon	83	75	62	60	61	60	60
California	97	95	76	76	76	73	77



HEIFERS  
ONE TO TWO YEARS OLD KEPT FOR MILK  
Estimated Number on Farms, Jan. 1, 1920-'26

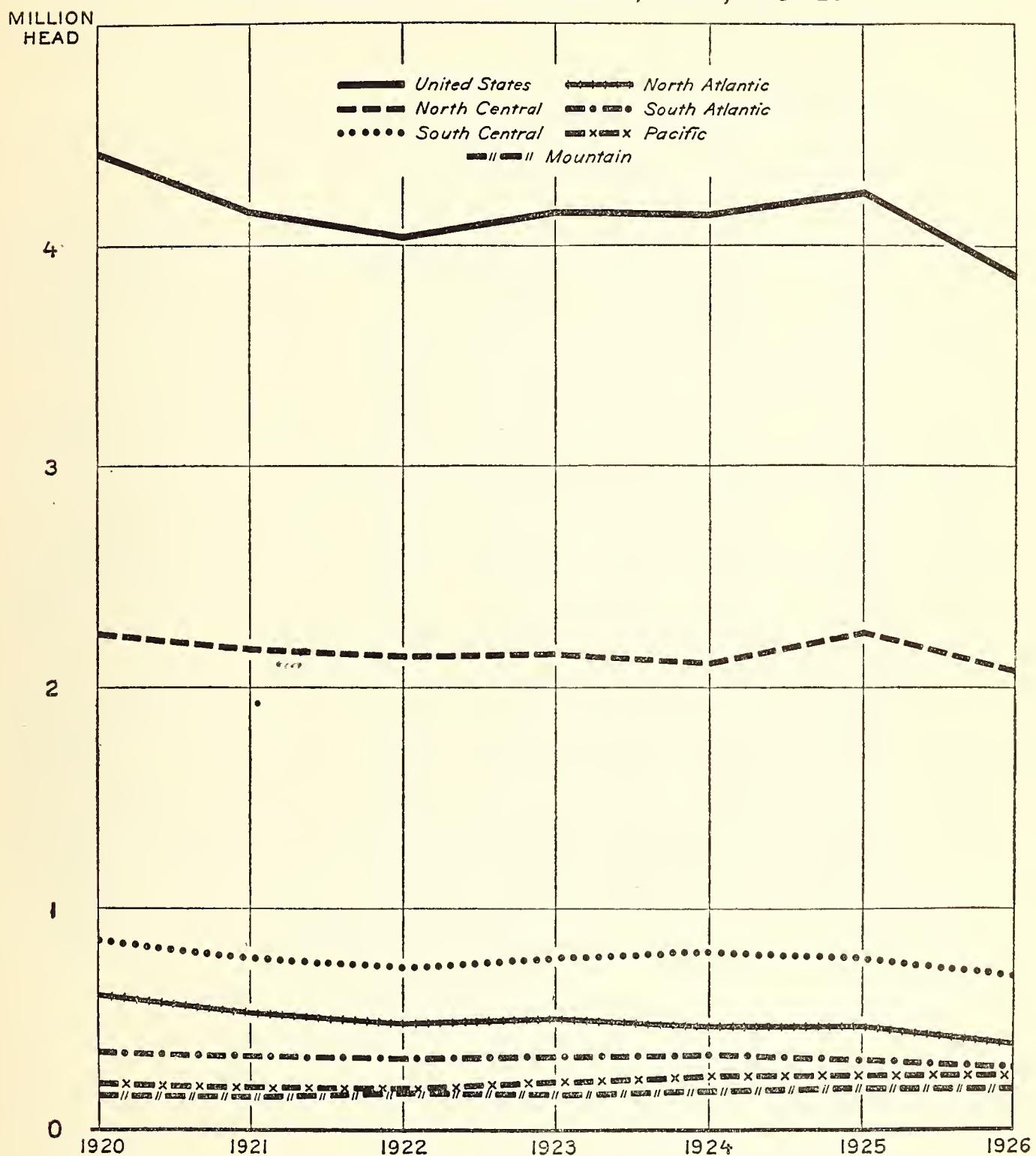


Fig. 11. The number of heifers 1 - 2 years old kept for milk in the United States decreased about 13 per cent from 1920 to 1926. During this period the decrease was 37, 22, 18 and 7 per cent, respectively in the North Atlantic, South Atlantic, South Central and North Central States while in the Pacific States the number increased 20 per cent and in the Mountain States 19 per cent.



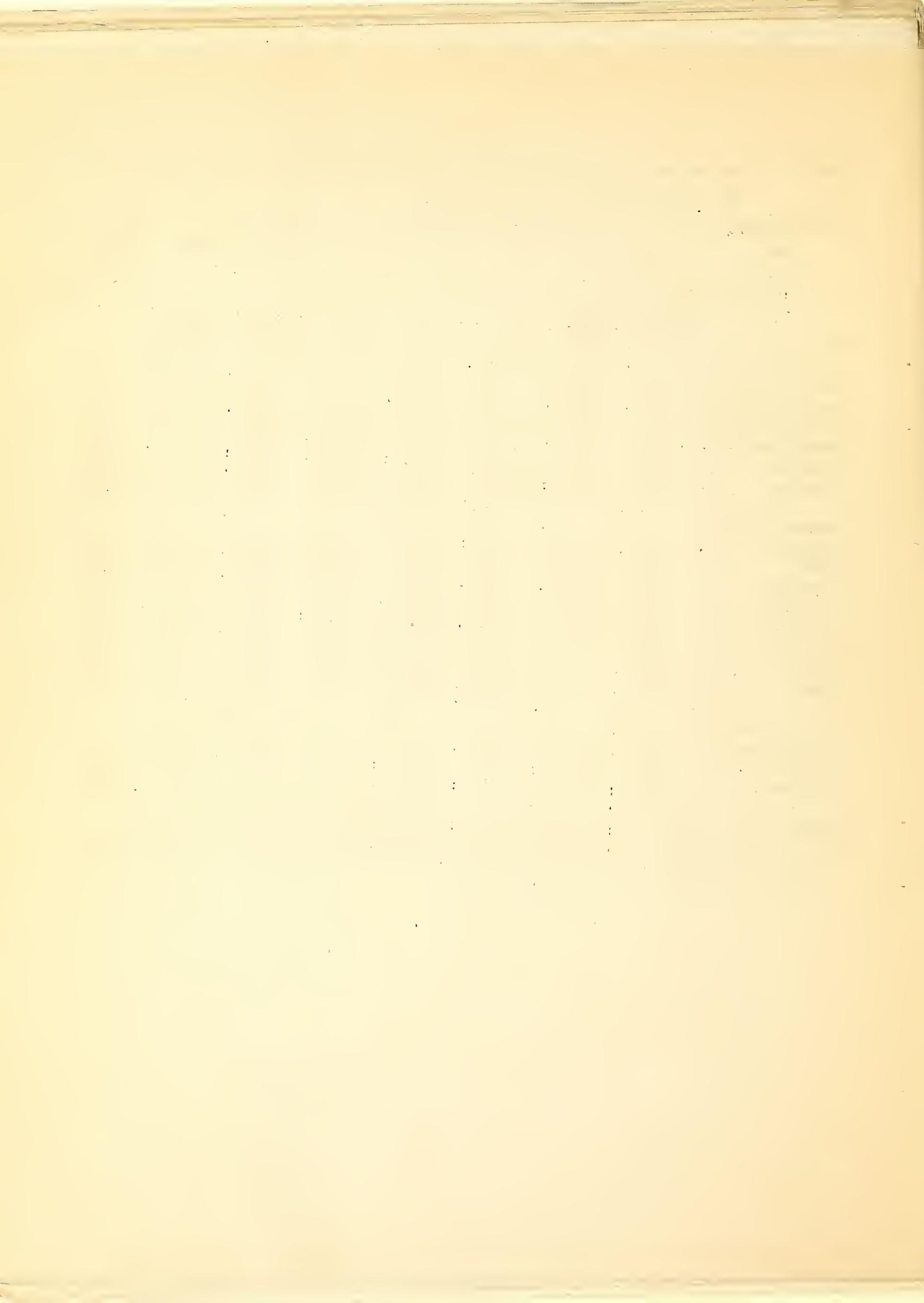
Table 4 - Heifers one to two years old being kept for milk: Estimated number on farms January 1, 1920 - 1926

Division and State	1920/1	1921	1922	1923	1924	1925/2	1926	Percentage of 1920
	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Per cent
United States	4,418	4,155	4,023	4,147	4,137	4,234	3,861	87
North Atlantic	612	535	484	506	468	463	385	63
North Central	2,240	2,170	2,143	2,156	2,110	2,251	2,073	93
South Atlantic	353	335	318	331	336	312	276	78
South Central	855	777	732	778	809	779	698	82
Mountain	151	147	161	159	168	184	180	119
Pacific	207	191	185	217	246	245	249	120
Mountain States								
Montana	30	33	30	30	35	36	35	117
Idaho	28	27	31	31	33	38	38	136
Wyoming	10	11	11	13	13	14	14	140
Colorado	44	38	44	41	42	48	47	107
New Mexico	12	15	18	15	10	11	13	108
Arizona	9	6	7	9	11	10	8	89
Utah	15	14	16	16	19	21	19	127
Nevada	3	3	4	4	5	6	6	200
Pacific States								
Washington	53	53	51	51	50	59	57	108
Oregon	40	36	34	43	45	44	45	112
California	114	102	100	123	151	142	147	129

1/ Based upon analysis and interpretation of Census of 1920.

2/ Based on analysis and interpretation of preliminary report of Agricultural Census of 1925.

Data from Crop and Livestock Estimates.



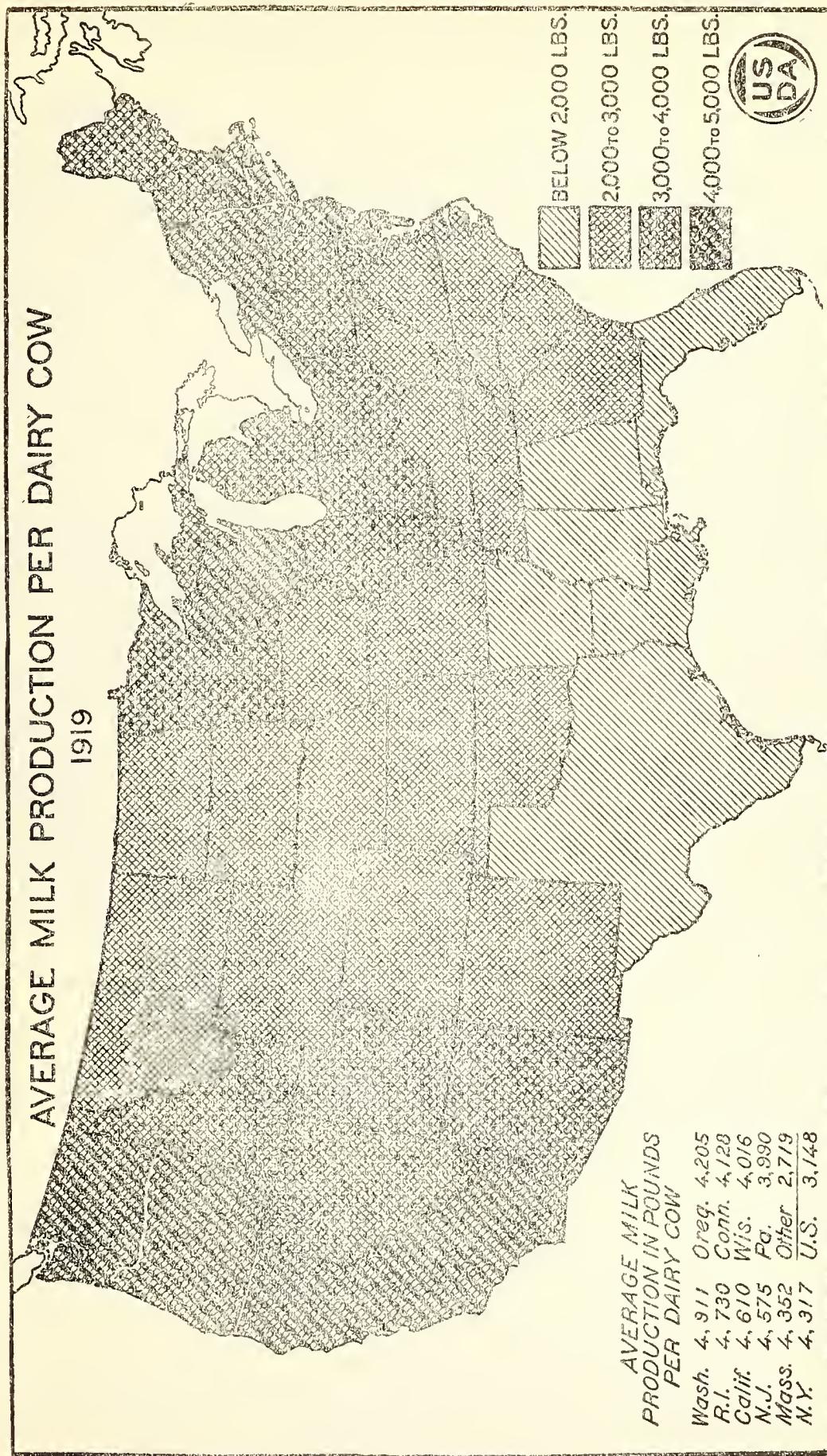


Fig. 12. The average milk production per dairy cow as reported by the census in 1919 was lowest in the Gulf States and Arkansas and highest in Pacific Coast States, in Wisconsin, New York and in Southern New England.



AVERAGE MILK PRODUCTION PER COW MILKED  
ELEVEN WESTERN STATES, BY COUNTIES, 1924  
(Based on 1925 Census Figures)

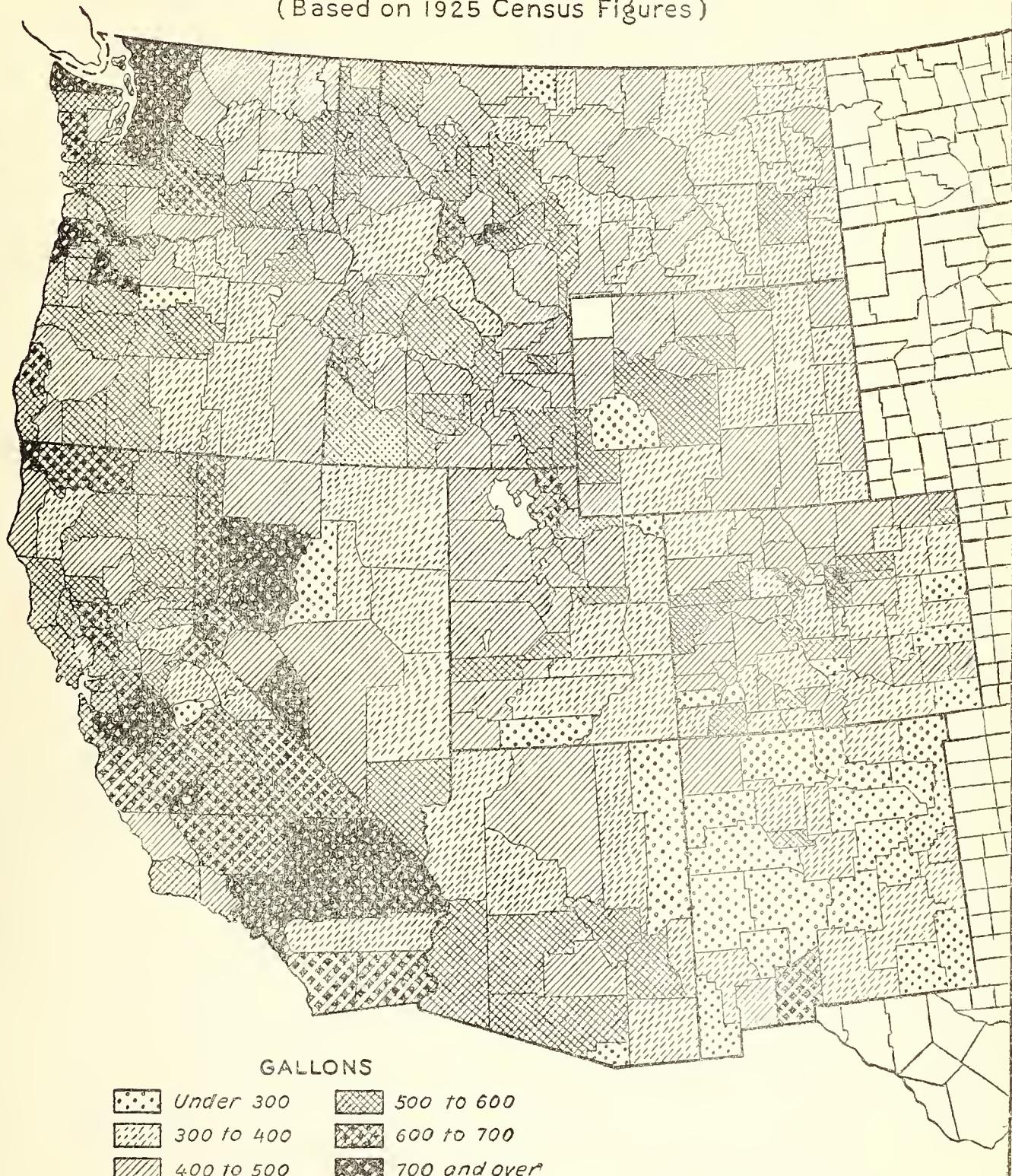


Fig. 13. The county average milk production per cow milked in 1924 varied greatly in each of the 11 Western States, the range being from less than 300 gallons per cow to over 700 gallons. The counties having averages of 700 or more gallons are in Washington, Oregon, California and Nevada. One gallon equals 8.6 pounds.



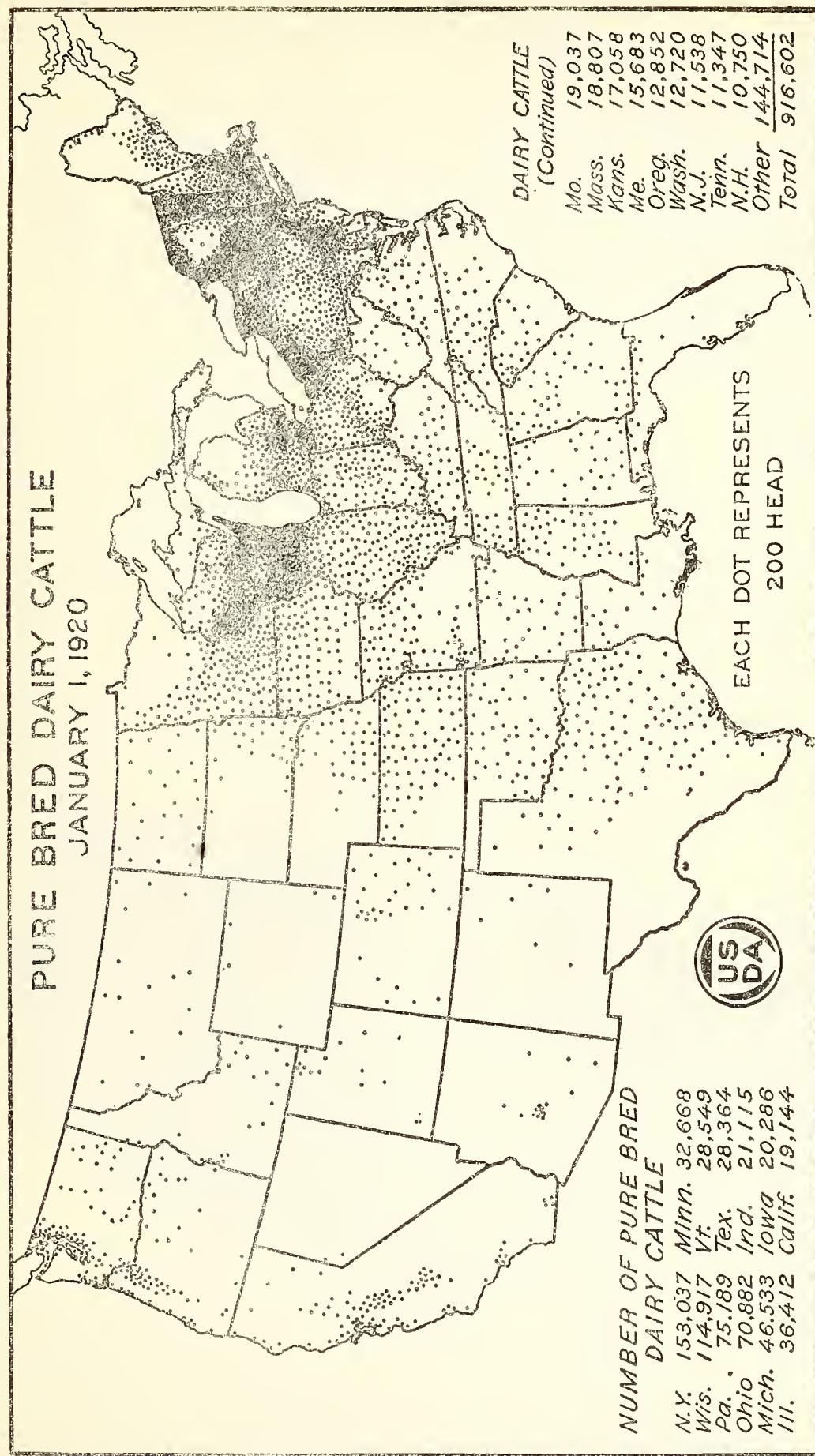


Fig. 14. Purebred dairy cattle are widely distributed over the United States, the greatest number being found in the Northeastern States and the Great Lake States. In number per state, New York was first in 1920, Wisconsin 2nd, California 12th, Oregon 17th, and Washington 18th.



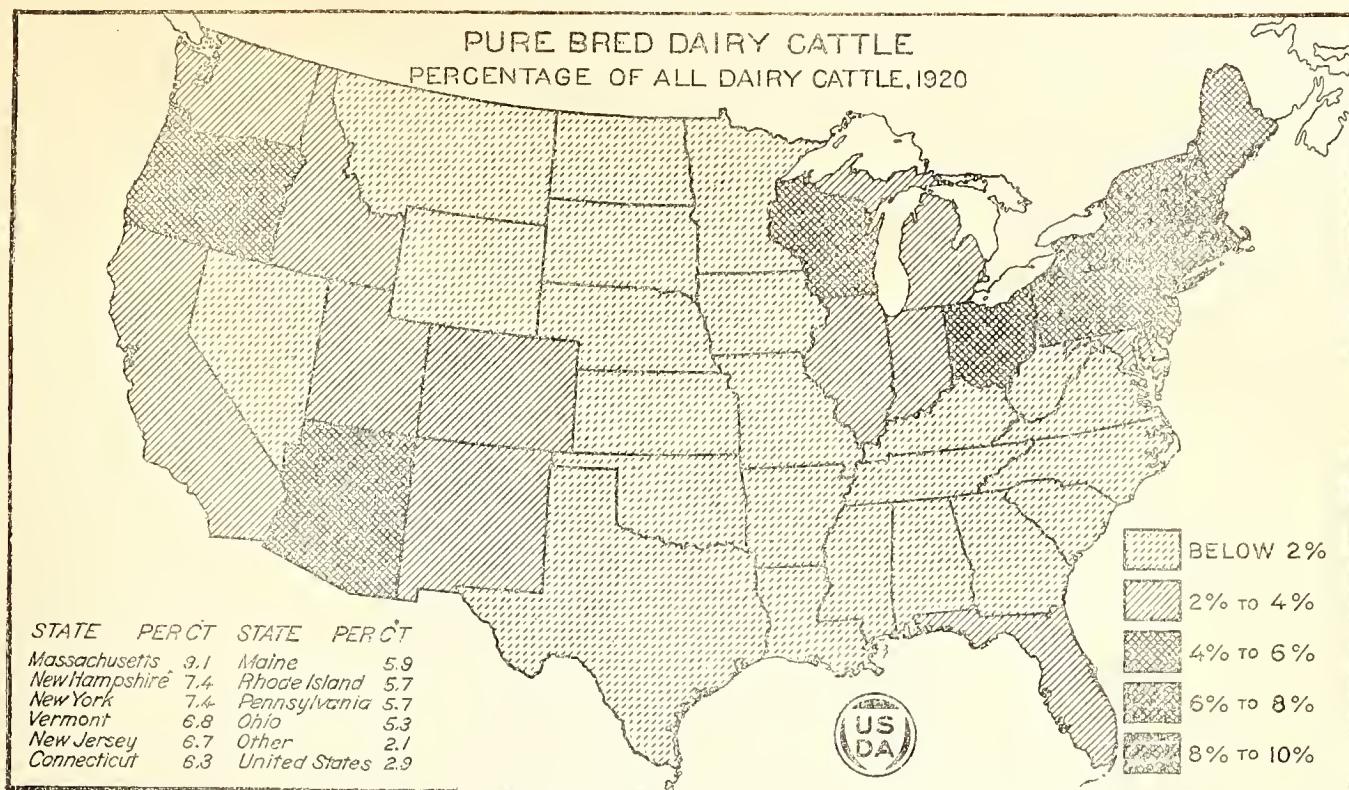


Fig. 15. Most of the purebred dairy cattle are in the Northeastern States. In Massachusetts more than 8 per cent of dairy cattle were purebred in 1920; in New York, Vermont, New Hampshire, Connecticut and New Jersey from 6 to 8 per cent; in Rhode Island, Pennsylvania, Ohio, Wisconsin, Oregon, Maine, Arizona from 4 to 6 per cent. Of the registered dairy cattle in the United States in 1920, about 58 per cent were Holstein-Friesian, 25 per cent Jerseys, 9 per cent Gurnseys, 3 per cent Ayrshires, and 1 per cent Brown Swiss.

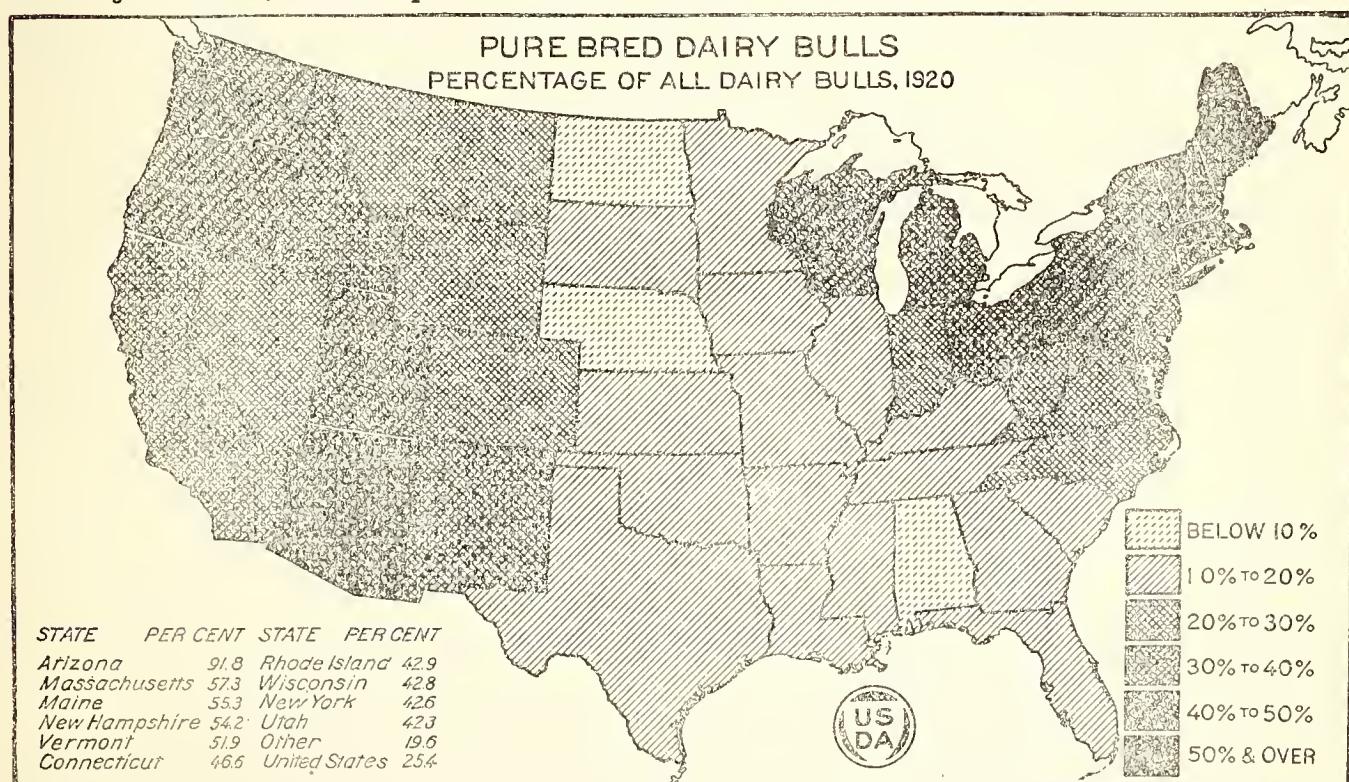


Fig. 16. Maine, New Hampshire, Vermont, Massachusetts and Arizona have more than 50 per cent of their dairy bulls purebred. New York, Connecticut, Rhode Island, Utah, Oregon and Washington have 40 to 50 per cent. For the most part those states with the largest percentage of dairy cattle purebred have the largest percentage of dairy bulls purebred, and have the largest average production of milk per cow.



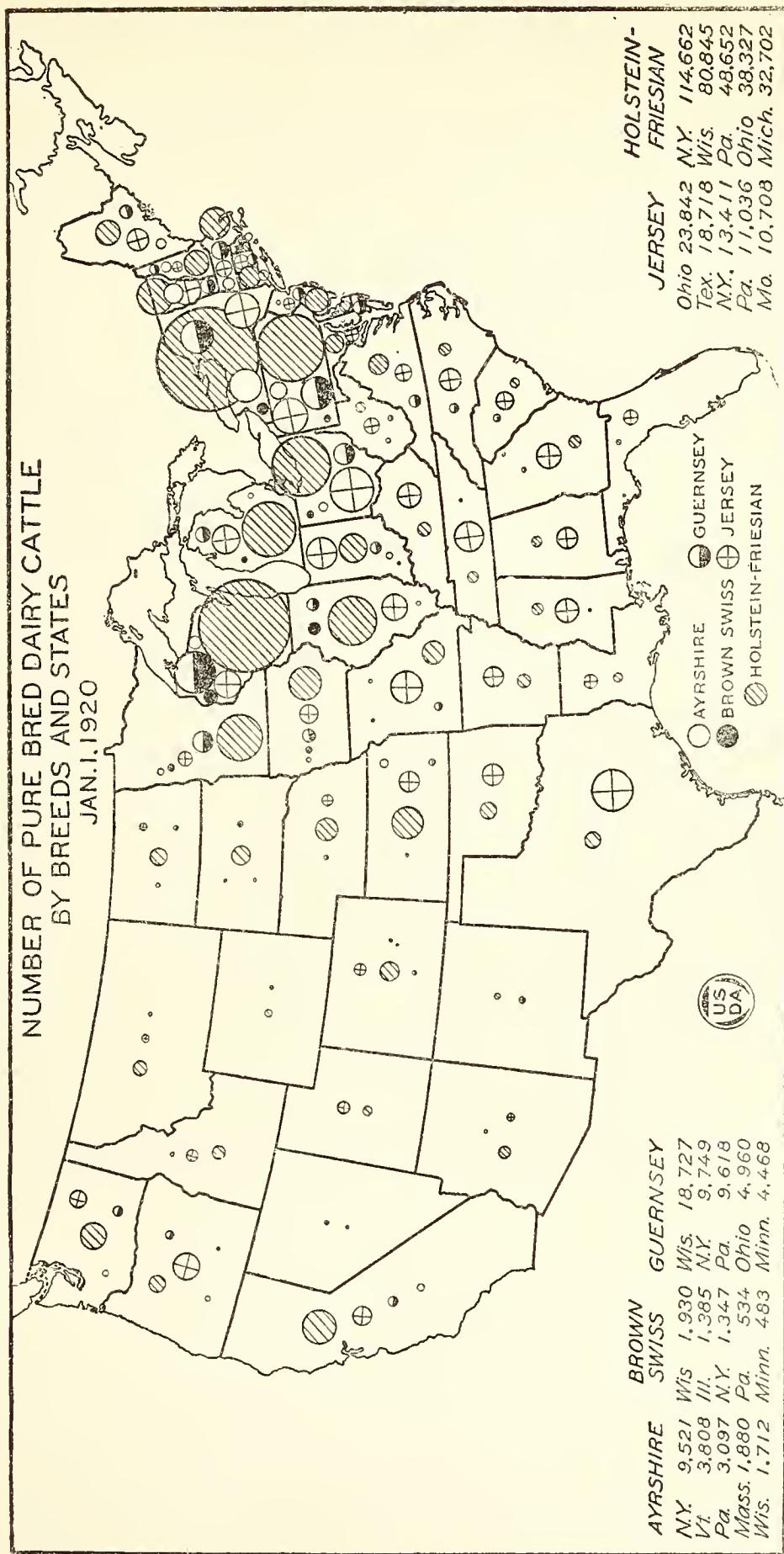


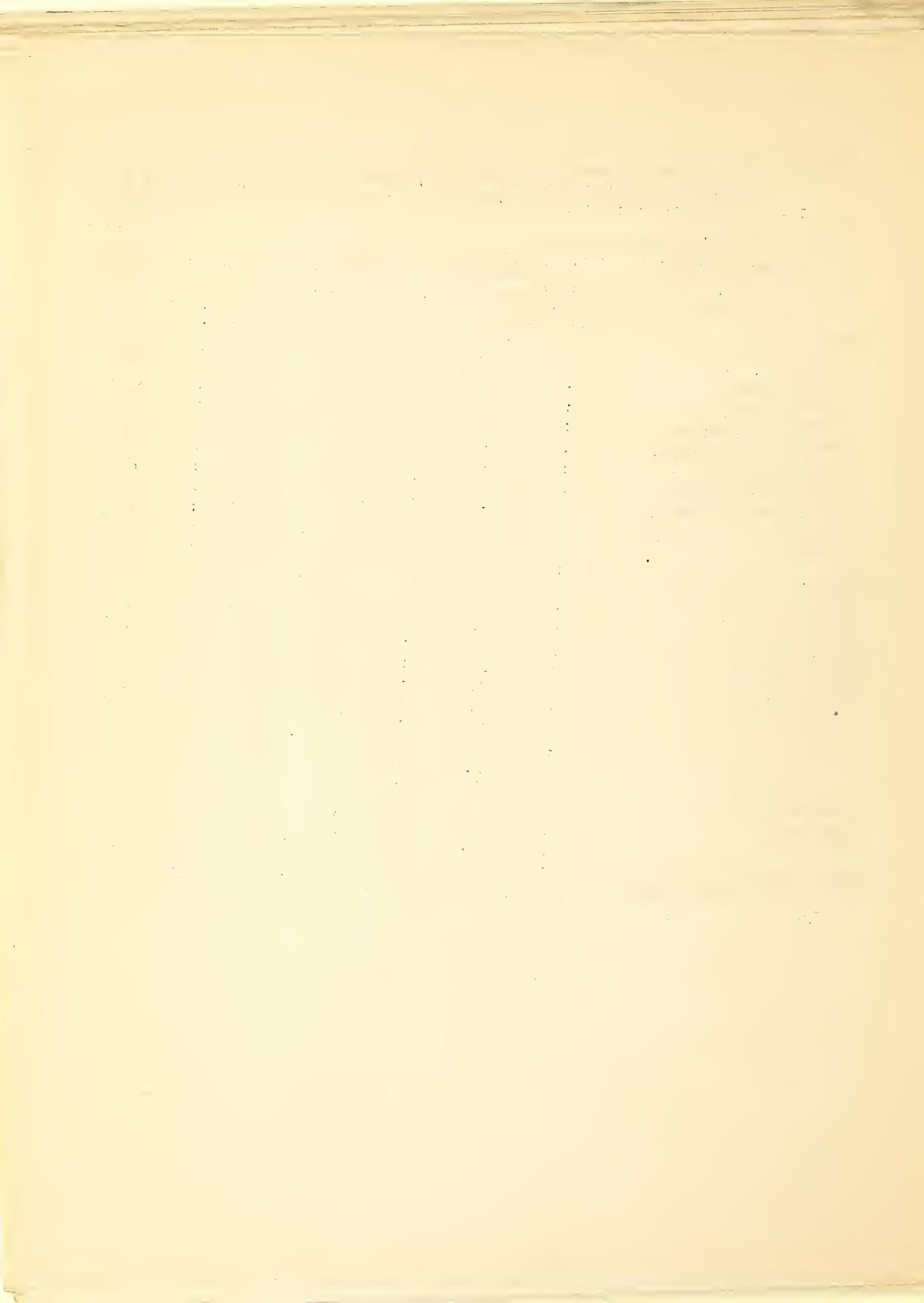
Fig. 17. The Jersey breed predominated in the Southern States and the Holstein-Friesian breed in the Northern States. The total numbers by breeds are as follows: Ayrshires, 30,509; Brown Swiss, 8,283; Guernseys, 79,446; Holstein-Friesians, 528,621; Jerseys, 231,834; and all other breeds, 37,909, making a total of 916,602 purebred dairy cattle.



Table 5 - Dairy Cattle: Percentage purebred, cows per purebred bull and milk production per cow, by geographic divisions and specified states, 1919.

Division and State	Percentage	Percentage	Cows per	Milk
	all Dairy cat-	bulls	: purebred	: production
	: tie purebred	: purebred	: bull	: per cow
United States	2.9	25	100	3,148
New England	6.9	53	50	3,861
Middle Atlantic	6.7	35	56	4,214
East North Central	3.7	33	78	3,638
West North Central	1.4	14	159	2,683
South Atlantic	1.8	18	162	2,503
East South Central	1.2	13	260	2,193
West South Central	1.3	13	226	1,789
Mountain	2.2	31	109	3,113
Pacific	3.1	39	80	4,610
Mountain States				
Montana	1.6	25	155	2,864
Idaho	2.0	34	103	3,560
Wyoming	1.8	30	128	2,692
Colorado	2.0	25	107	2,993
New Mexico	2.1	32	100	2,210
Arizona	5.2	60	51	3,724
Utah	2.7	42	111	3,456
Nevada	1.7	21	131	3,853
Pacific States				
Washington	3.4	42	70	4,911
Oregon	4.6	49	61	4,205
California	2.5	34	98	4,610

Compiled from 1920 Census.



EXTENT OF BOVINE TUBERCULOSIS  
IN THE UNITED STATES MAY 1, 1926

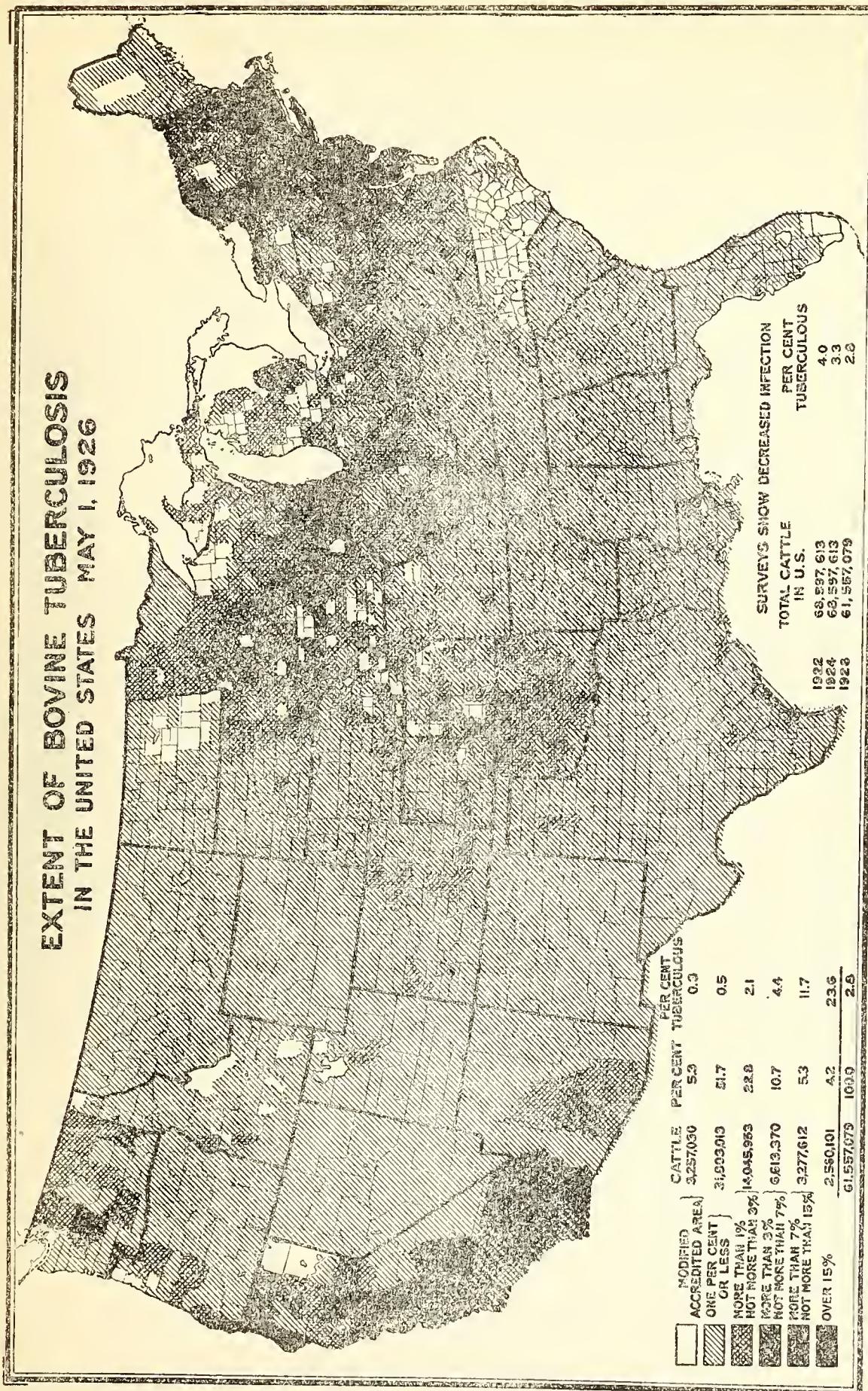


Fig. 18. Bovine tuberculosis in the United States is decreasing. Surveys indicate 4 per cent of all cattle were infected in 1920 and 2.8 per cent in 1926. The greatest percentage of infection is usually found in districts where rather intensive dairying is practiced. The chart indicates the centers of greatest infection. Chart furnished by Bureau of Animal Industry.



Table 6 - Bovine tuberculosis: Status of eradication in the Western States, 1918 - 1926.

State	Percentage of cattle tested, year ending June 30									
	1918	1919	1920	1921	1922	1923	1924	1925	1926/1	
	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent
Idaho	0.2	0.1	1.5	3.3	5.4	12.8	12.8	12.6	9.1	
Oregon	0.2	0.5	2.6	6.0	7.8	9.8	13.5	15.9	19.8	
Utah	0.8	0.9	2.0	3.7	4.9	5.5	10.6	11.1	11.6	
Washington	0.2	1.4	7.9	7.5	13.8	13.3	17.7	17.1	21.4	
Montana	1.4	1.4	1.9	3.4	8.2	8.9	5.9	6.4	4.2	
New Mexico	0.04	0.04	-	-	0.5	0.5	0.5	1.1	0.4	
Nevada	-	0.1	2.6	3.5	2.6	4.0	4.7	3.1	2.5	
Colorado	-	0.05	0.004	-	0.06	0.2	0.6	0.2	1.1	
Wyoming	-	0.5	-	1.3	3.2	3.8	2.6	1.9	1.2	
California	-	-	-	-	0.2	5.4	1.1	1.7	2.0	
Arizona	-	-	-	-	-	0.3	3.5	0.9	2.7	
	Percentage of cattle tested that reacted									
Idaho	6.2	1.3	3.1	2.0	1.0	1.0	0.4	0.7	0.3	
Oregon	3.4	2.5	2.7	2.0	1.7	1.8	1.3	1.0	1.1	
Utah	1.3	0.2	0.8	0.6	1.1	1.6	1.2	0.8	1.0	
Washington	2.9	2.5	3.2	2.2	2.2	1.8	1.8	1.9	3.0	
Montana	5.8	2.8	2.6	1.2	1.0	0.7	0.5	0.6	0.5	
New Mexico	1.1	0.0	-	-	1.0	0.3	0.1	0.5	0.5	
Nevada	-	3.8	5.5	2.6	3.1	1.1	0.6	1.1	0.7	
Colorado	-	2.6	4.6	-	4.9	4.9	2.9	2.4	1.8	
Wyoming	-	4.3	-	1.9	0.8	1.0	0.3	1.4	0.2	
California	-	-	-	-	3.0	0.6	1.2	1.1	2.0	
Arizona	-	-	-	-	-	1.5	3.7	0.5	3.2	

Compiled from data furnished by the Bureau of Animal Industry.

1/ Ten months of year ending June 30, 1926.



**COW TESTING ASSOCIATIONS**  
**GROWTH IN U. S. AND WESTERN STATES**  
July 1, 1906 - '23 and Jan. 1, 1925 - '26

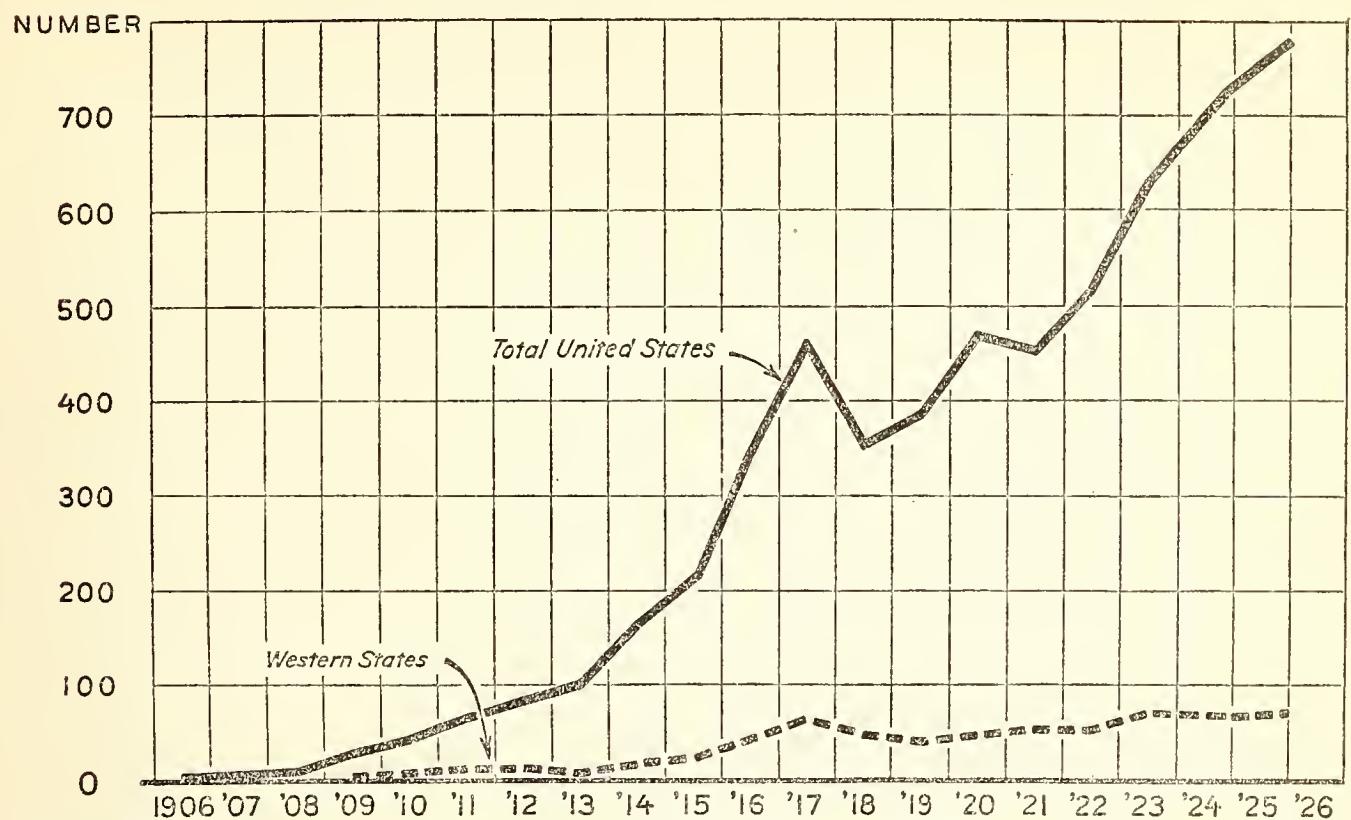


Fig. 19. Cow testing associations in the United States increased from one in 1906 to 777 in 1926. Of the total number of active associations on January 1, 1926, about 70 per cent were in the North Central States, 15 per cent in the North Atlantic States and 9 per cent in the 11 Western States.

**BULL ASSOCIATIONS**  
**GROWTH IN UNITED STATES AND 11 WESTERN STATES**  
July 1, 1908-1923 and January 1, 1925-1926

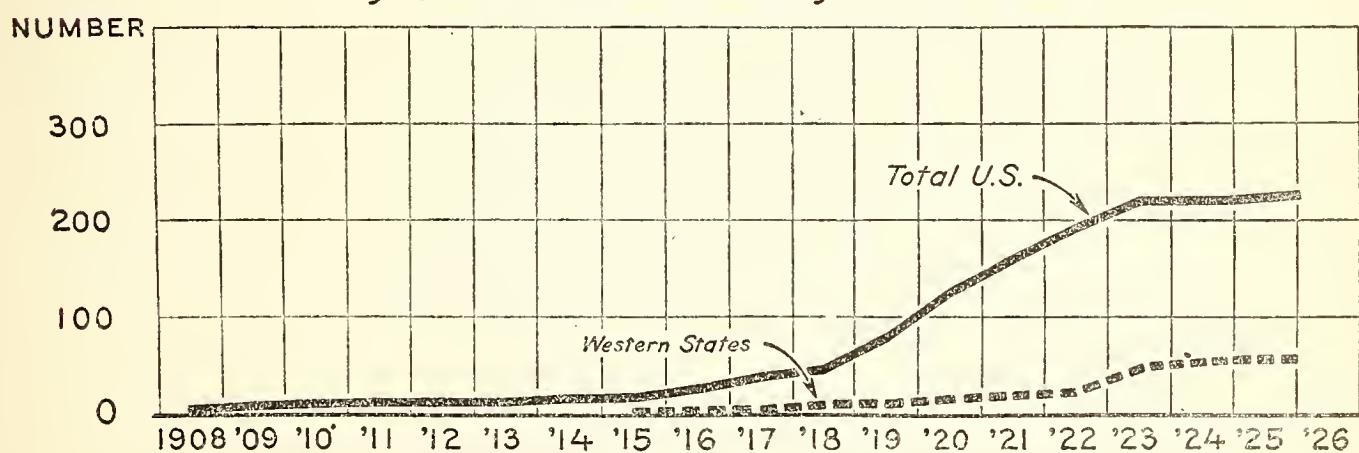


Fig. 20. Dairy bull associations in the United States increased from 3 in 1908 to 225 in 1926. Of the active associations on January 1, 1926, about 28 per cent were in the North Central States, 25 per cent in the Western States, and 20 per cent in the South Central States.



Table 7 - Cow testing associations: Number active July 1, 1906 - 1923 and January 1  
1925 and 1926 /1

State	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'25	
Mich.	1	4	2	5	4	3	4	4	3	3	10	15	7	13	14	11	17	53	105	103
Me.	3	4	3	6	5	4	5	8	11	5	1	0	0	0	3	4	2	1		
N. Y.	1	1	3	9	18	21	29	35	47	43	19	25	28	24	31	27	24	23		
Vt.	-	2	8	10	11	17	28	33	38	47	18	12	18	17	21	20	17	23		
Ia.	2	5	4	8	7	8	13	23	30	15	11	14	17	22	47	56	61			
Calif.	1	3	2	4	4	5	7	9	15	16	14	18	21	21	27	20	3			
Wis.	9	10	10	8	11	24	37	51	81	112	105	115	103	127	151	176	16			
Nebr.	1	0	0	0	3	2	3	4	4	2	2	0	0	1	4	2	6			
Colo.	1	1	2	1	1	0	0	-3	5	5	5	4	6	6	7	6				
Pa.	1	1	2	2	7	14	19	24	21	35	64	46	45	36	42	43				
Ohio	1	0	0	1	4	5	20	30	24	24	41	35	36	36	21	21	2			
Wash.	1	3	1	0	0	1	12	18	11	9	6	10	10	11	10	10	6			
Md.	1	3	3	2	4	7	8	4	2	6	7	5	4	9	10					
Ill.	4	3	2	7	3	3	17	15	27	23	25	24	23	24	23	24	2			
Minn.	3	7	10	9	11	22	26	23	21	19	23	37	55	88	84					
N. H.	1	1	1	4	8	11	12	8	9	10	10	11	10	5						
Ore.	1	1	1	7	11	15	17	11	6	9	5	5	4	7	5	5	5			
Utah	1	0	0	1	1	0	1	1	0	1	1	1	1	4	5	4	4			
Mass.	2	2	2	3	0	4	4	0	0	0	1	5	5	6	3	3	4			
Va.	2	2	2	0	0	2	4	4	5	8	10	12	13	15	14	15	14			
Kan.				1	1	1	1	4	3	15	13	13	13	9	8	11				
Ind.				2	2	3	7	9	7	10	5	10	5	10	17	21				
Ky.				1	1	0	1	1	0	0	5	5	2	3	2	0				
Mo.				2	1	2	5	4	5	5	6	7	11	12	13	19				
N. J.				2	3	4	8	9	9	12	8	6	6	5	5	5				
W. Va.				1	1	3	1	1	1	3	5	5	5	6	3	3				
Conn.				1	3	6	3	0	0	0	1	0	2	1	1	1				
N. C.				2	0	0	0	0	0	0	2	2	0	0	0	2				
La.				1	0	0	0	0	0	0	1	0	0	0	0	0				
S. D.					1	1	3	3	0	0	0	0	0	0	4	11				
Nev.						1	0	1	0	0	0	0	1	1	4	3				
Ariz.							2	2	1	0	0	0	2	1	1	2				
R. I.							2	2	0	0	4	4	4	4	3	0				
Del.							2	3	2	2	1	0	0	0	0	0				
Idaho							2	1	1	4	5	6	4	8	8	8				
Miss.							1	0	0	0	0	3	2	1	1	1				
Mont.							1	2	0	0	0	0	0	0	0	2				
Tenn.							1	8	4	6	3	3	4	2	2	2				
N. M.								1	0	0	0	1	1	1	1	0				
Wyo.								1	0	1	0	0	0	0	0	1				
Ala.									2	1	3	1	1	0	0	0				
Ga.									1	0	0	0	0	0	0	0				
N. D.										1	1	1	2	6	8	5				
Okla.										1	1	2	1	3	5	5				
S. C.											1	1	1	0	0	0				
Texas											3	0	0	0	0	0				
Ark.												1	2	2	2	0	0			
Total	1	4	6	25	40	64	82	100	163	211	346	459	353	385	468	452	513	627	732	777

Cow Testing Association Letter, Vol. 2, No. 2, Bureau of Dairying.

1/ No directory was issued July 1, 1924.



Table 8 - Cow Testing Association: Number of herds and cows under test Jan. 1, 1921

Division and State <sup>1/1</sup>	Associations		Average per ass'n	
	Herds	Cows	Herds	Cows
Connecticut . . . . .	2	36	690	18.0 : 345
Maine . . . . .	1	16	137	16.0 : 137
Massachusetts . . . . .	6	145	2,289	24.2 : 382
New Hampshire . . . . .	4	81	1,460	20.2 : 365
New Jersey . . . . .	9	224	5,075	24.9 : 564
New York <sup>1/2</sup> . . . . .	28	594	12,354	23.8 : 494
Pennsylvania . . . . .	43	990	15,076	23.0 : 351
Vermont . . . . .	23	503	9,623	21.9 : 418
North Atlantic . . . . .	116	2,589	46,704	22.9 : 413
Illinois . . . . .	26	680	13,175	26.2 : 501
Indiana . . . . .	25	616	8,084	24.6 : 325
Iowa . . . . .	61	1,473	21,485	24.1 : 352
Kansas . . . . .	11	256	3,790	23.3 : 345
Michigan . . . . .	108	2,715	29,223	25.1 : 271
Minnesota . . . . .	84	2,005	25,855	23.9 : 308
Missouri . . . . .	19	452	6,990	23.8 : 368
Nebraska . . . . .	6	125	2,287	20.8 : 381
North Dakota . . . . .	3	44	778	14.7 : 259
Ohio . . . . .	25	553	7,890	22.1 : 316
South Dakota . . . . .	9	205	2,624	22.8 : 292
Wisconsin <sup>1/2</sup> . . . . .	169	4,440	64,477	26.6 : 386
North Central . . . . .	546	13,565	186,658	24.9 : 343
Maryland . . . . .	10	194	4,638	19.4 : 464
North Carolina . . . . .	5	88	2,722	17.6 : 544
Virginia . . . . .	18	329	9,286	18.3 : 516
West Virginia . . . . .	3	54	920	18.0 : 307
South Atlantic . . . . .	36	635	17,564	18.5 : 488
Mississippi . . . . .	2	36	549	18.0 : 274
Oklahoma . . . . .	5	69	1,060	13.8 : 212
Tennessee . . . . .	2	33	1,032	16.5 : 516
South Central . . . . .	9	138	2,641	15.3 : 293
Arizona . . . . .	1	44	1,290	44.0 : 1,290
Colorado . . . . .	6	104	1,723	17.3 : 287
Idaho . . . . .	8	321	3,793	40.1 : 474
Montana . . . . .	3	63	1,222	21.0 : 407
Nevada . . . . .	1	3	90	3.0 : 90
New Mexico . . . . .	1	29	566	29.0 : 566
Utah . . . . .	4	185	2,150	46.2 : 538
Mountain . . . . .	24	749	10,834	31.2 : 45
California . . . . .	30	1,207	48,501	40.2 : 1,617
Oregon . . . . .	8	393	7,226	49.1 : 903
Washington <sup>1/2</sup> . . . . .	8	234	7,525	46.8 : 941
Pacific . . . . .	45	1,834	63,252	42.7 : 1,375
Total and Average . . . . .	777	19,540	327,653	25.4 : 427

Compiled from Cow Testing Association Letter, Vol. 2, No. 2, Bureau of Dairving.

<sup>1/</sup> Only states having cow testing associations are listed.<sup>2/</sup> New York reported data for 25 associations; Wisconsin reported data for 167 associations; Washington reported herds for 5 and cows for 8 associations. These numbers are used in computing averages for the last two columns.



Table 9 - Dairy bull associations: Number active July 1, 1908-1923 and January 1, 1925 and 1926 <sup>21</sup>

State	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'25	'26
Mich.	3	7	8	9	7	8	9	8	8	7	7	7	7	5	7	6	4	
Minn.	1	1	1	1	2	2	2	3	3	3	4	6	15	19	17	18	19	
Md.		1	1	1	1	1	1	1	1	2	2	2	2	2	3	3		
N. D.			2	1	1	1	1	1	1	1	1	1	1	1	2	3	2	
Vt.					1	1	1	1	1	2	3	5	4	2	2	1		
Ore.						1	2	2	2	2	2	2	2	1	1	1		
Wis.						1	1	1	2	1	3	4	4	0	0			
Ill.							1	1	1	1	1	1	6	7	8	11		
Iowa							1	1	1	1	1	1	2	2	2	2		
Mass.							1	1	1	1	0	0	0	0	0	0		
N. C.							1	4	5	8	9	9	9	9	3	2		
S. C.							3	9	9	11	17	20	23	16	10	9		
Pa.							2	4	10	21	21	21	27	24	28	33		
Mo.							1	1	1	3	7	10	10	10	10	12		
Ind.								1	3	5	7	7	7	7	4	3		
Utah								3	2	2	2	3	8	14	14			
Mont.								1	2	2	2	0	1	1	1	1		
Kan.								1	1	1	1	1	2	1	1	1		
Ala.								1	7	7	7	7	7	7	0			
Ga.								2	1	1	0	0	0	0	2	2		
La.								1	1	1	1	1	1	1	1	3		
Miss.								6	11	12	10	9	8	8	7			
N. J.								1	4	6	8	8	8	8	2	0		
R. I.								1	1	1	1	1	0	0	0	0		
Tenn.								2	2	2	2	2	4	4	4	4		
Wash.								1	2	2	3	3	3	4	4	4		
Wyo.								2	2	2	2	2	2	1	1			
Ark.								3	2	4	6	6	6	6	7			
Idaho								3	6	9	29	32	32					
Nevada									1	1	1	1	1	1	2			
Okla.									1	1	1	1	4	7	7			
Ky.									3	7	9	17	18					
Conn.									1	1	2	2	2	2	2			
N. H.									1	0	0	0	0	0	0			
Va.									1	1	2	2	2	2	2			
W. Va.									1	1	1	0	0	0	0			
Fla.									1	1	1	0	0	0	0			
Nebr.										1	2	4	5					
Ohio										2	2	3	3					
Texas										2	2	0	0					
Maine											2	1	0					
N. M.												1	1					
S. D.												1	2					
Total	3	8	9	11	11	12	14	15	24	36	44	78	123	158	190	218	220	225

Cow Testing Association Letter, Vol. 2, No. 2. Bureau of Dairying.

1/No directory was issued July 1, 1924.



Table 10 - Dairy Bull Associations: Summary by Divisions and States, Jan. 1, 1926

Division	Assoc.	Breeds used /2										Purebred	Others	Total	
		and		Members		Bulls		C. L. S.		B. S.					
State/1	tions	J.	G.	H.	A.	B. S.	S. H.								
Conn.		2	28	8	4	4	4			231	286	517			
Pa.		38	540	158	33	15	97	7	3	3,887	4,180	8,067			
Vt.		1	11	4	4					71	123	194			
N. Atl.		41	579	170	41	15	101	7	3	3	4,189	4,589	8,778		
Ill.		11	334	64	21	22	21			378	2,242	2,620			
Ind.		3	66	10	7		3			57	414	471			
Ia.		2	24	10			10			52	325	377			
Kan.		1	18	5			5			78	175	253			
Mich.		4	125	15		3	12			420	830	1,250			
Minn.		19	612	92		57	35			33	2,443	4/4,234			
Mo.		12	320	48	45		3			323	1,777	2,100			
Nebr.		5	61	20	4		16			95	535	630			
N. D.		2	29	13			6	7		17	367	384			
Ohio		3	-	12	7		5			3/	3/	3/			
S. D.		2	27	18			18			0	202	202			
N. Cent.		64	1,616	307	84	82	134	7		3,453	9,310	12,521			
Ga.		2	17	7	7					24	160	184			
Md.		3	14	14		9	5			125	255	380			
N. C.		2	336	20		20				404	1,190	1,594			
S. C.		9	212	34	23	11				258	985	1,243			
Va.		2	86	12		8	4			51	332	383			
S. Atl.		18	665	87	30	48	9			862	2,922	3,784			
Ark.		7	576	39	33	6				236	902	1,138			
Ky.		18	765	56	49	3	4			456	2,326	2,782			
La.		3	82	11	11					0	3/	4/350			
Okla.		7	263	31	28		3			805	1,124	1,929			
Miss.		7	302	29	29					283	1,307	1,590			
Tenn.		4	202	19	19					400	726	1,126			
S. Cent.		46	2,190	185	159	9	7			2,180	6,385	8,915			
Idaho		32	807	159	48	16	95			331	5,080	5,411			
Mont.		1	35	5		5				0	185	185			
Nev.		2	41	6	3		3			22	245	257			
New Mex.		1	12	4			4			43	134	177			
Utah		14	569	61	16	9	36			292	1,895	4/2,904			
Wyo.		1	19	3			3			0	135	135			
Mountain		51	1,483	238	67	30	141			688	7,674	9,079			
Ore.		1	38	5	5					75	240	315			
Mash.		4	69	14	11	3				0	0	4/461			
Pacific		5	107	19	16	3				75	240	776			
U. S.		225	6,540	1,006	407	187	392	14	3	3	9,447	31,120	43,853		

Compiled from Cow Testing Association Letter, Vol. 2, No. 2, Bureau of Dairying.

1/ Only states listed that had Cow Testing Associations Jan. 1, 1926.

2/ J. stands for Jersey; G, Guernsey; H, Holstein; A, Ayrshire; B.S., Brown Swiss; S. H, Milking Shorthorn.

3/ Not reported. 4/ For some associations only totals are given.



ESTIMATED POPULATION  
UNITED STATES BY GEOGRAPHIC DIVISIONS  
Jan. 1, 1920 - 1926

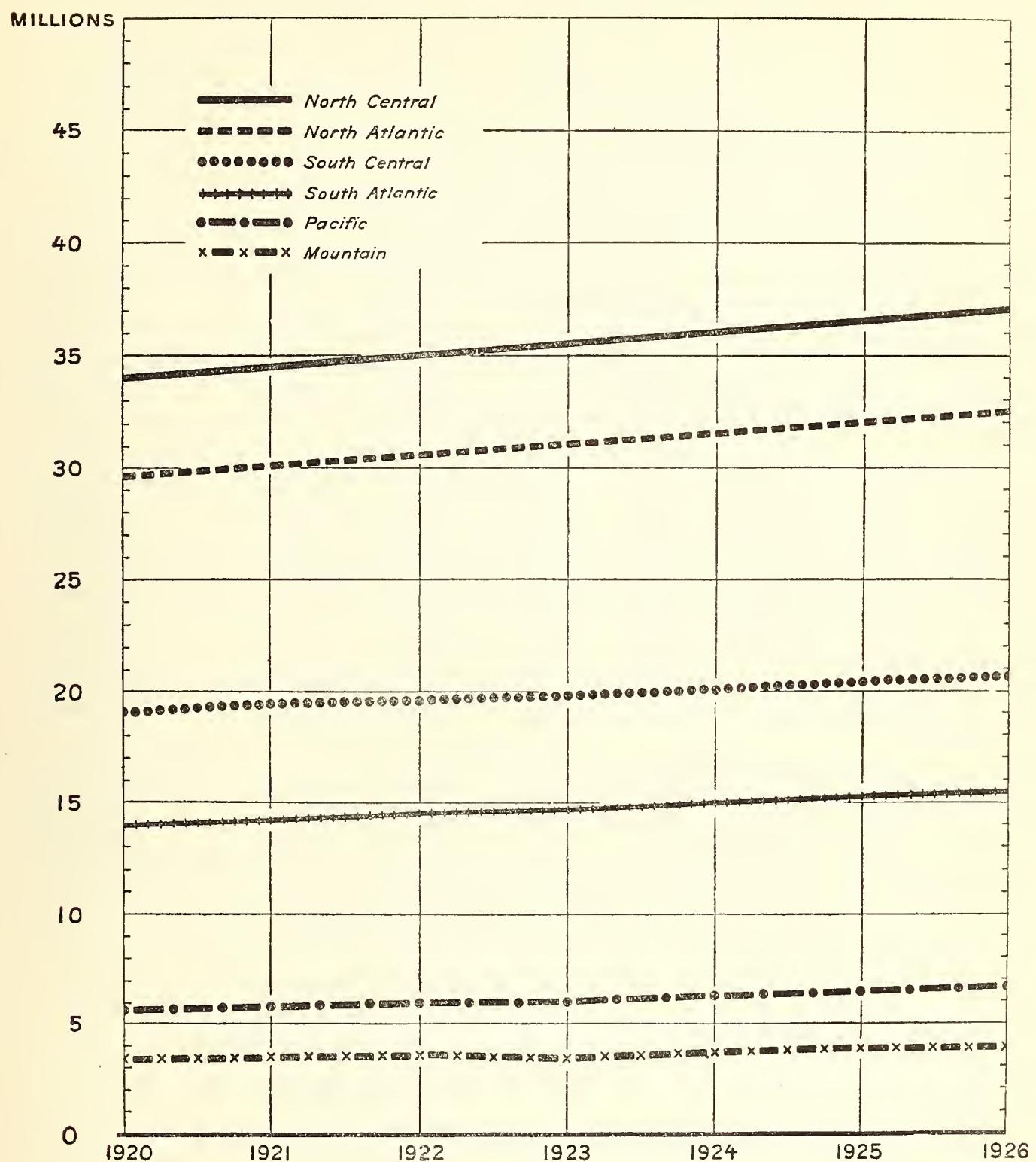


Fig. 21. The population of the United States is increasing nearly 1.8 millions per year: In the country as a whole the increase was about 10 per cent from 1920 to 1926. During this period the increase was 19 per cent in the Pacific States, 17 per cent in the Mountain States, 11 per cent in the South Atlantic States, 9 per cent in the North Atlantic States, 9 per cent in the North Central States and 8 per cent in the South Central States.



Table 11 - Estimated population by divisions and specified States, January 1,  
1920 - 1926

Division and State	1920/1	1921	1922	1923	1924	1925	1926	Per cent age 1926 of 1920
United States	105,711	107,433	109,169	110,793	112,710	114,553	116,257	110
North Atlantic	29,662	30,125	30,591	31,037	31,534	32,009	32,457	109
North Central	34,020	34,513	35,010	35,471	36,028	36,568	37,063	109
South Atlantic	13,990	14,247	14,506	14,750	15,034	15,300	15,547	111
South Central	19,136	19,382	19,630	19,859	20,132	20,410	20,658	108
Mountain	3,336	3,425	3,516	3,598	3,699	3,799	3,890	117
Pacific	5,557	5,741	5,916	6,078	6,276	6,467	6,642	119
Mountain States:								
Montana	549	571	593	613	638	662	684	125
Idaho	432	445	459	471	487	502	515	119
Wyoming	195	201	207	212	219	226	233	119
Colorado	940	957	975	992	1,012	1,032	1,050	112
New Mexico	360	365	369	373	377	382	386	107
Arizona	334	350	367	382	401	419	436	131
Utah	449	459	469	478	488	499	509	113
Nevada	77	77	77	77	77	77	77	100
Pacific States:								
Washington	1,357	1,384	1,411	1,436	1,467	1,497	1,524	112
Oregon	783	797	812	825	841	856	870	111
California	3,427	3,560	3,693	3,817	3,968	4,114	4,248	124

1/ Census 1920. Other years based on Census estimates.



Table 12 - Persons per dairy cow 1: Estimated number by divisions and specified States, January 1, 1920-1926.

Division and State	1920	1921	1922	1923	1924	1925	1926
United States	4.93	5.02	5.01	5.02	5.06	5.09	5.22
North Atlantic	8.79	8.98	9.14	9.24	9.61	9.96	10.35
North Central	3.18	3.22	3.18	3.17	3.14	3.11	3.14
South Atlantic	8.02	8.13	8.20	8.34	8.60	8.73	9.07
South Central	4.83	5.00	4.99	5.08	5.21	5.28	5.62
Mountain	4.75	4.84	4.77	4.72	4.61	4.50	4.58
Pacific	5.80	5.85	5.87	5.76	5.77	5.91	6.05
Mountain States							
Montana	3.71	3.86	3.83	3.78	3.67	3.54	3.56
Idaho	3.66	3.65	3.59	3.51	3.31	3.14	3.16
Wyoming	3.55	3.53	3.51	3.42	3.42	3.42	3.38
Colorado	4.65	4.74	4.73	4.75	4.66	4.61	4.73
New Mexico	6.21	5.98	5.86	5.92	5.98	5.97	6.03
Arizona	9.54	11.67	10.49	10.61	11.14	11.32	13.62
Utah	6.24	6.58	6.25	5.98	5.81	5.74	5.78
Nevada	5.50	5.13	4.81	4.53	4.28	4.05	3.85
Pacific States							
Washington	5.54	5.54	5.53	5.32	5.33	5.27	5.54
Oregon	3.92	3.95	4.02	4.02	3.86	3.80	3.95
California	6.65	6.72	6.71	6.58	6.67	7.03	7.04

1 Cows and heifers 2 years old and over kept for milk.



PER CAPITA CONSUMPTION OF DAIRY PRODUCTS IN THE UNITED STATES  
1917-1925

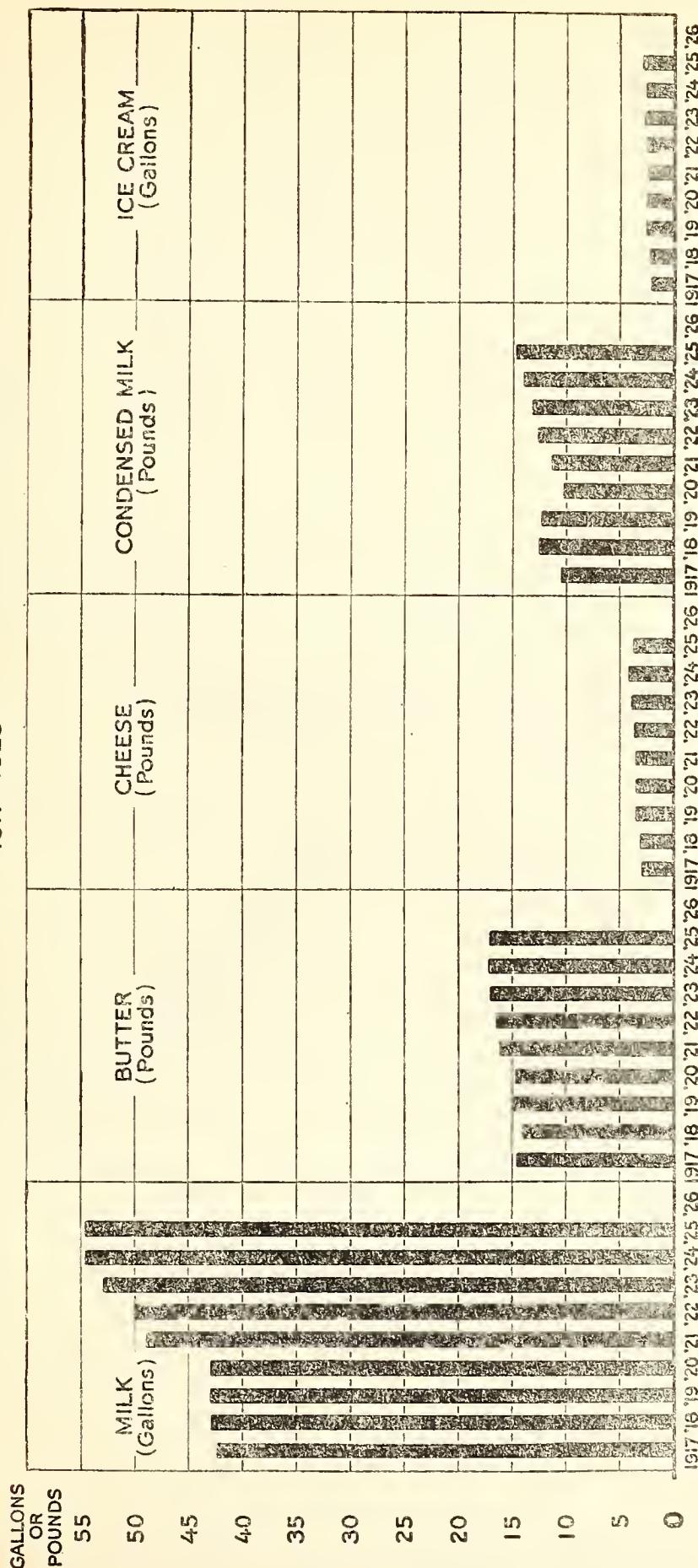


Fig. 22. There has been a decided upward trend in the per capita consumption of dairy products in the United States during recent years. Since 1917 the per capita consumption of condensed milk has increased 41 per cent; that of ice cream 35 per cent; cheese 31 per cent; fluid milk 29 per cent; and butter 16 per cent. Considering all dairy products together, the increase during this period was 32 per cent. Our present per capita consumption of dairy products is about as follows: milk 54.7 gallons, butter 17 pounds, cheese 3.8 pounds, condensed milk 14.8 pounds, ice cream 2.8 gallons.



Table 13 - Per capita consumption disappearance from trade channels of dairy products in the United States 1917 - 1925.

Year	Milk	Butter	Cheese	Condensed milk	Ice cream	Total in terms of fluid milk.	
	Gals.	Lbs.	Lbs.	Lbs.	Gals.	Lbs.	Gals.
1917	42.4	14.6	2.9	10.5	2.07	755	87.8
1918	43.0	14.0	3.0	12.5	2.14	754	87.7
1919	43.0	14.8	3.5	12.3	2.49	781	90.8
1920	43.0	14.7	3.5	10.2	2.46	773	89.9
1921	49.0	16.1	3.5	11.4	2.28	854	99.3
1922	50.0	16.5	3.7	12.7	2.43	879	102.2
1923	53.0	17.0	3.9	13.2	2.68	922	107.2
1924	54.7	17.2	4.2	14.0	2.50	944	109.8
1925	54.7	17.0	3.8	14.8	2.80	993	115.5
Per cent is of 1925							
1917	129	116	131	141	135	132	132

### CONSUMPTION OF BUTTER MONTHLY, 1920-1924

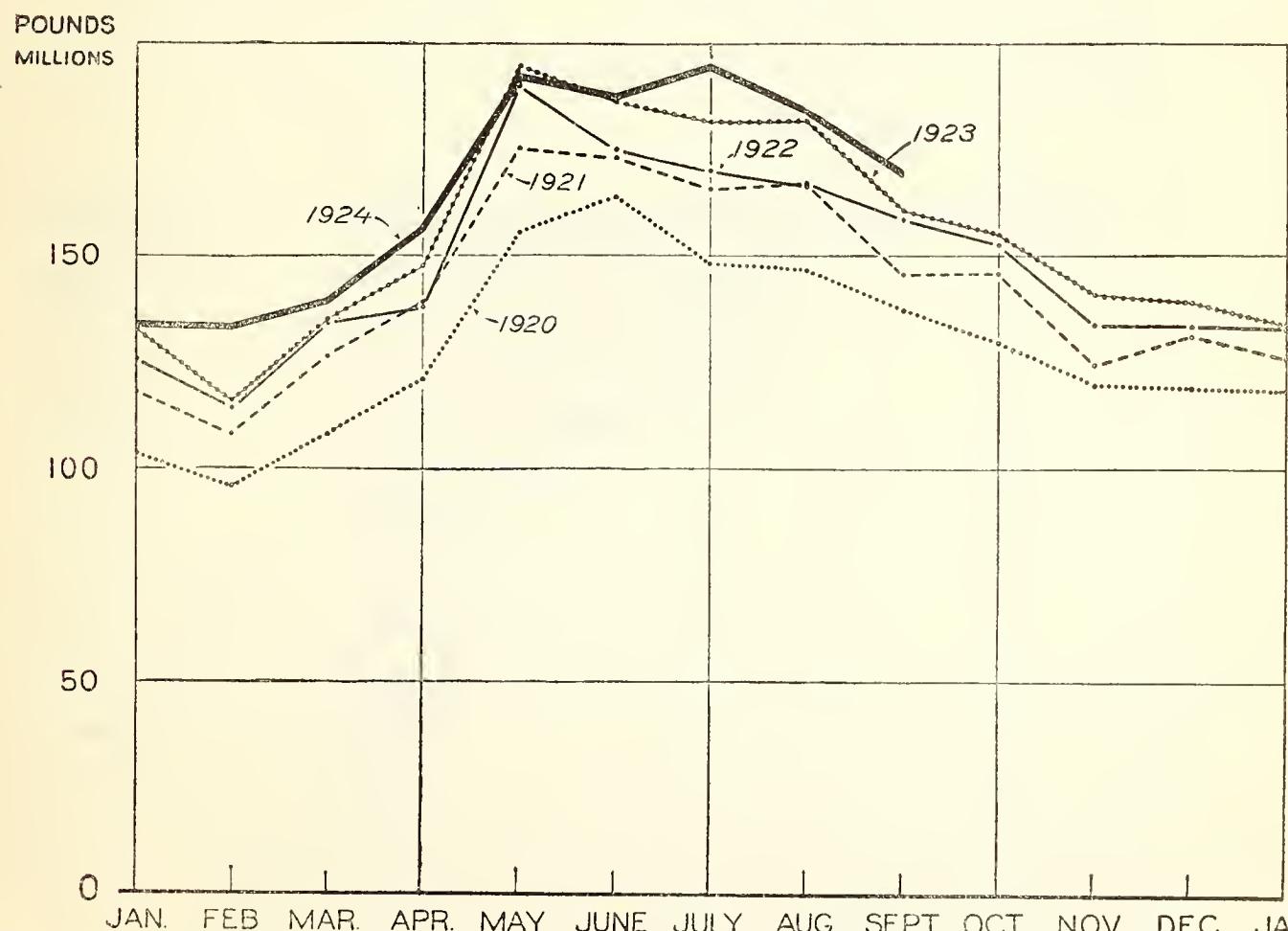


Fig. 23. The monthly consumption of butter in the United States is highest from April to August, that is, during the flush season of production, and lowest during the winter when production is slack.



### YEARLY PER CAPITA CONSUMPTION OF BUTTER

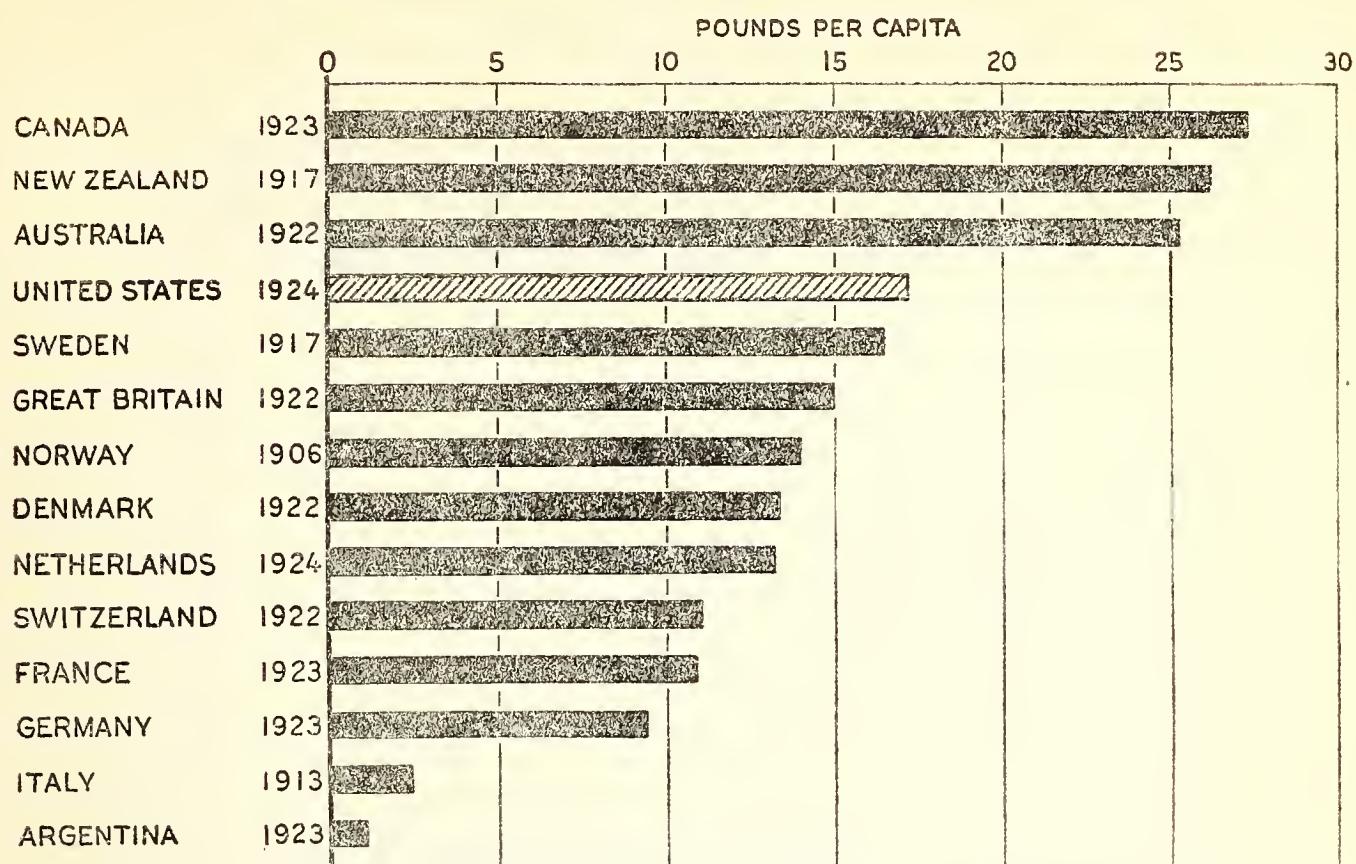


Fig. 24. The per capita consumption of butter varies widely in different countries. Canada ranks highest with about 27 pounds per capita and Argentina lowest with less than 2 pounds.

### YEARLY PER CAPITA CONSUMPTION OF CHEESE

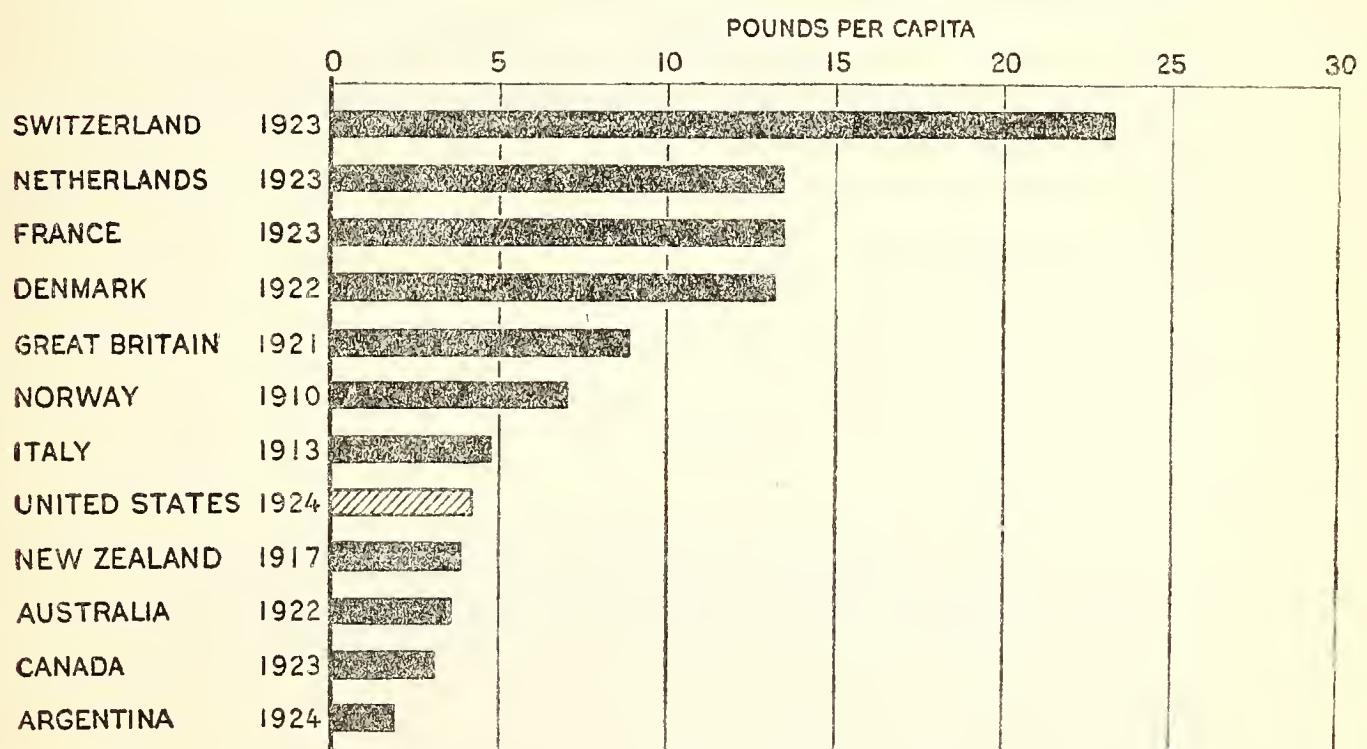


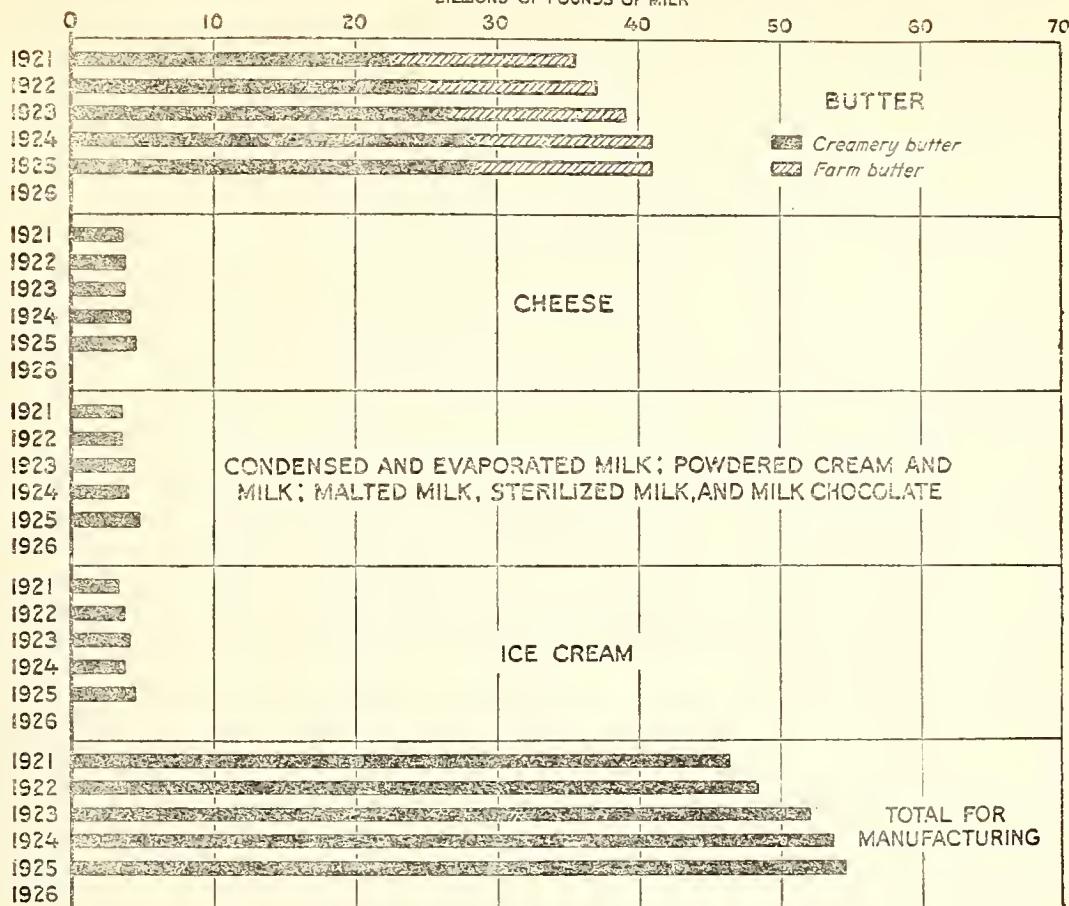
Fig. 25. The people of the United States are light consumers of cheese. In the Netherlands, France and Denmark the per capita consumption of cheese is nearly three times as great as it is in the United States; in Switzerland it is about six times as great.



USE OF MILK IN THE UNITED STATES  
1921-1925

MANUFACTURING

BILLIONS OF POUNDS OF MILK



OTHER USES

BILLIONS OF POUNDS OF MILK

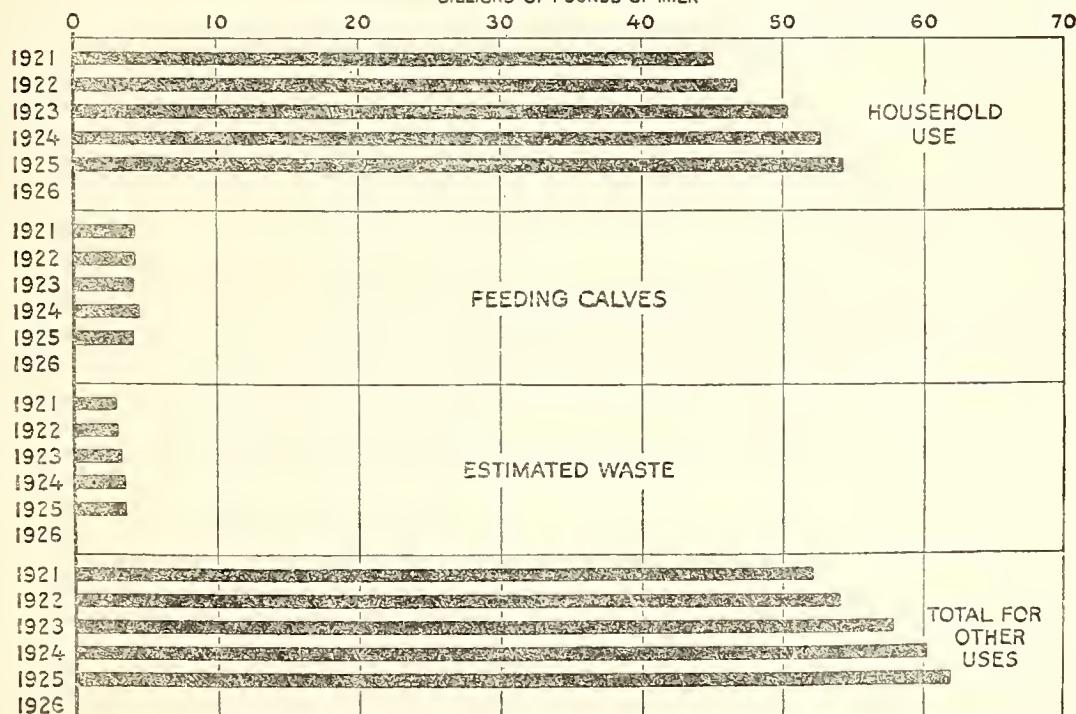


Fig. 26. The quantity of milk produced in the United States increased about 18 per cent from 1921 to 1925. Of the total amount of milk produced, about 47 per cent is used for manufacturing dairy products, 47 per cent for household use and about 6 per cent for feeding calves, waste, etc.



Table 14 - Milk: Production and use in the United States, 1920 - 1925

Products manufactured	1920	1921	1922	1923	1924	1925	Per cent of 1920
	: Million pounds	: Million pounds	: Million pounds	: Million pounds	: Million pounds	: Million pounds	: Per cent of 1920
Milk used for manufacturing -							
Creamery butter	18,355	22,154	24,224	26,296	28,578	28,592	158
Farm butter ....	14,175	13,650	13,125	12,810	12,600	12,390	87
Total for butter:	32,310	35,804	37,349	39,106	41,178	40,982	127
Cheese (all kinds)	3,624	3,558	3,750	3,989	4,179	4,475	125
Condensed and evaporated milk	3,945	3,650	3,579	4,437	4,251	4,395	111
Powdered milk	83	34	45	53	63	71	86
Powdered cream	6	3	2	6	19	6	100
Malted milk	43	34	30	34	35	40	93
Sterilized milk (canned)	6	5	—	—	15	1	17
Milk chocolate	50	40	100	150	159	229	382
Ice cream	3,575	3,355	3,623	4,055	3,926	4,438	124
Total for manufacturing .....	43,652	46,493	48,478	51,830	53,811	54,637	125
Milk used for other purposes -							
Household use ..	39,090	45,143	46,672	50,440	52,772	54,326	139
Feeding calves ..	4,202	4,260	4,335	4,174	4,643	4,047	96
Waste (Estimated)	2,713	2,966	3,077	3,292	3,440	3,495	129
Total other purposes .....	46,005	52,369	54,084	57,906	60,855	61,868	134
Total milk production .....	89,657	98,862	102,562	109,736	114,666	116,505	130



Table 15 - Milk: Production in the United States and percentages used for specified purposes, 1920 - 1925

Use of Milk	1920	1921	1922	1923	1924	1925
	: Million	: Million	: Million	: Million	: Million	: Million
	: pounds	: pounds	: pounds	: pounds	: pounds	: pounds
Milk produced .....	: 89,657	: 98,862	: 102,562	: 109,736	: 114,666	: 116,505
Milk used for manufacturing -	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent
Creamery butter .....	20.2	22.4	23.6	24.0	24.9	24.6
Farm butter .....	15.8	13.8	12.8	11.7	11.0	10.6
Total butter .....	36.0	36.2	36.4	35.7	35.9	35.2
Cheese (all kinds) .....	4.0	3.6	3.7	3.6	3.7	3.8
Condensed and evaporated milk	4.4	3.7	3.5	4.0	3.7	3.8
Powdered milk .....	.1	.1	.1	.1	.1	.1
Powdered cream .....	1/	1/	1/	1/	1/	1/
Malted milk .....	.1	1/	1/	1/	1/	1/
Sterilized milk (canned) ..	1/	1/	-	-	1/	1/
Milk chocolate .....	.1	.1	.1	.1	.1	.2
Ice cream .....	4.0	3.4	3.5	3.7	3.4	3.8
Total for manufacturing ..	48.7	47.0	47.3	47.2	46.9	46.9
Milk used for -	:	:	:	:	:	:
Household purposes .....	43.6	45.7	45.5	46.0	46.0	46.6
Feeding calves .....	4.7	4.3	4.2	3.8	4.1	3.5
Waste (estimated) .....	3.0	3.0	3.0	3.0	3.0	3.0
Total .....	51.3	53.0	52.7	52.8	53.1	53.1
All uses .....	100.0	100.0	100.0	100.0	100.0	100.0

1/ Less than .05 per cent.

Table 16 - Dairy products manufactured in the United States, 1920 - 1925.

Products	1920	1921	1922	1923	1924	1925	Percent-age 1925
	: Million	: Million	: Million	: Million	: Million	: Million	: is of '20
	: pounds	: pounds	: pounds	: pounds	: pounds	: pounds	:-----
Creamery butter ....	: 863.6	: 1,054.9	: 1,153.5	: 1,252.2	: 1,356.1	: 1,361.5	: 158
Farm butter .....	: 675.0	: 650.0	: 625.0	: 610.0	: 600.0	: 590.0	: 87
Total butter ....	: 1,538.6	: 1,704.9	: 1,778.5	: 1,862.2	: 1,956.1	: 1,951.5	: 127
Cheese (all kinds) ..	: 362.4	: 355.8	: 375.0	: 398.9	: 417.9	: 447.5	: 123
Condensed and evapora: milk .....	: 1,578.0	: 1,464.2	: 1,431.3	: 1,774.9	: 1,700.5	: 1,757.9	: 111
Powdered milk .....	: 10.3	: 4.2	: 5.6	: 6.6	: 7.9	: 8.9	: 86
Powdered cream .....	: .3	: .1	: .1	: .3	: 1.0	: .3	: 100
Malted milk .....	: 19.7	: 15.7	: 13.7	: 15.3	: 15.9	: 18.0	: 91
Sterilized milk (canned) ..	: 5.6	: 5.1	: .3	: .1	: .5	: 1.6	: 29
Milk chocolate .....	-	-	-	-	-	-	-
Ice cream .....	: 1/260.0	: 1/244.0	: 1/263.5	: 1/294.9	: 1/225.6	: 1/322.7	: 124

1/ Gallons.



PRODUCTION OF CREAMERY BUTTER  
MONTHLY, 1920-1926

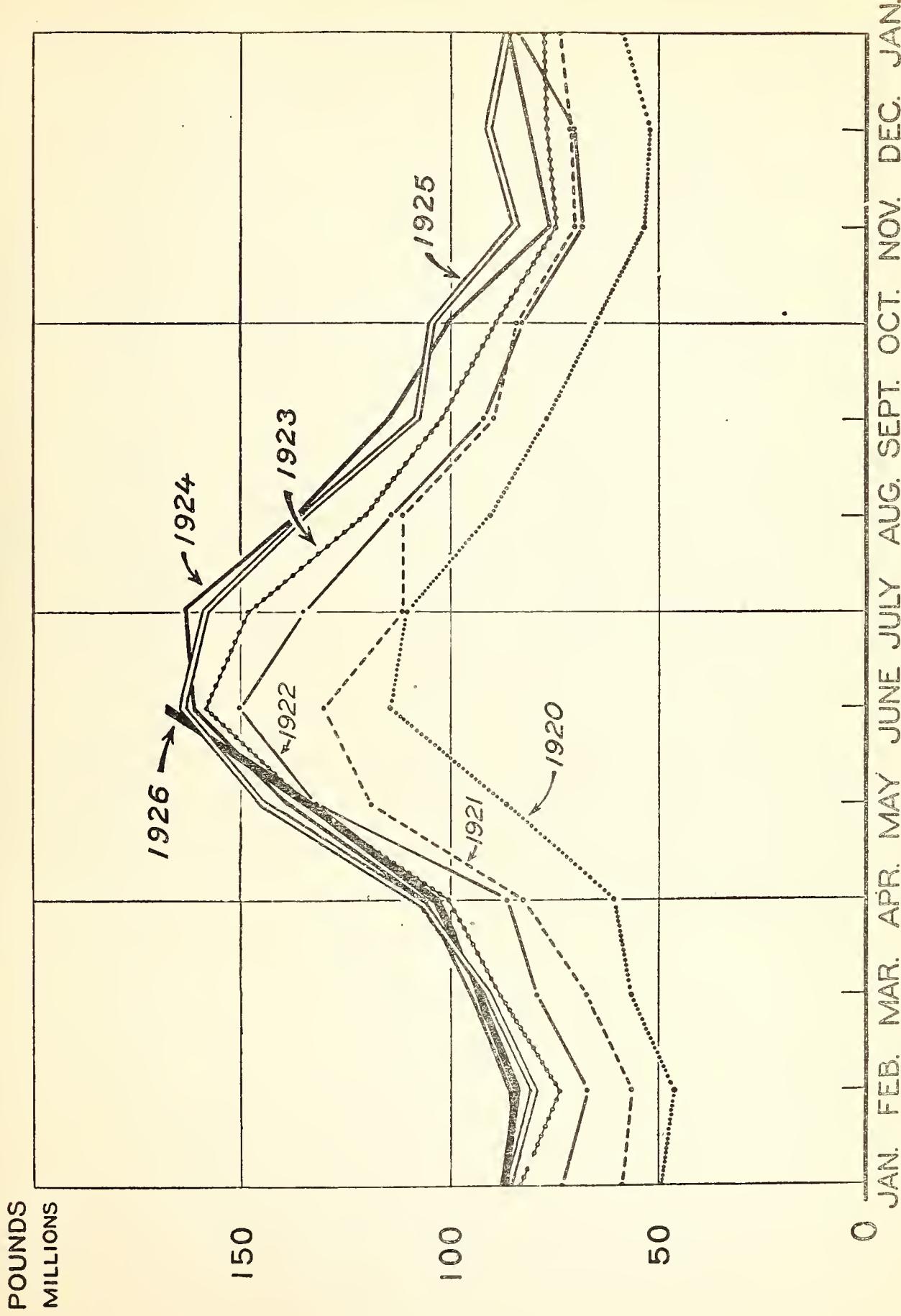


Fig. 27. There is a flush and a slack season in the production of creamery butter. The slack season usually extends from November to February. In March each year production begins to increase and usually reaches the peak in June. In 1924 production was greater than that of June.



Table 17 - Creamery butter: Production by divisions and specified states, 1919 - 1925

Division and State	1920	1921	1922	1923	1924	1925	Percent of 1925
United States	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
	863,577	1,054,938	1,153,515	1,252,214	1,356,080	1,361,526	158
N. Atlantic	46,927	60,221	55,793	47,906	54,908	41,363	88
N. Central	645,492	796,881	886,429	960,126	1,044,601	1,071,272	166
S. Atlantic	5,225	6,333	7,532	9,275	9,786	9,098	174
S. Central	35,923	46,911	50,008	56,455	59,993	59,325	165
Mountain	30,101	37,265	42,415	51,715	60,959	60,849	202
Pacific	99,909	107,327	111,338	126,737	125,833	119,619	120
Mountain States							
Montana	5,168	7,439	7,713	10,667	13,874	13,968	270
Idaho	4,660	4,935	7,582	9,883	13,431	15,101	324
Wyoming	875	1,277	1,403	1,894	1,941	1,999	228
Colorado	12,979	15,290	16,410	18,625	18,130	18,794	145
New Mex.	6	29	129	185	251	326	5,433
Arizona	828	1,358	623	600	2,107	1,034	125
Utah	3,567	4,549	5,913	7,500	8,585	7,034	197
Nevada	2,018	2,388	2,642	2,361	2,640	2,593	128
Pacific States							
Wash.	23,751	23,228	24,239	26,666	29,331	25,673	108
Oregon	14,288	15,289	17,158	18,128	20,993	21,575	151
Calif.	61,870	68,810	69,941	81,943	75,509	72,371	117



### PRODUCTION OF CREAMERY BUTTER MONTHLY, 1920 - 1925

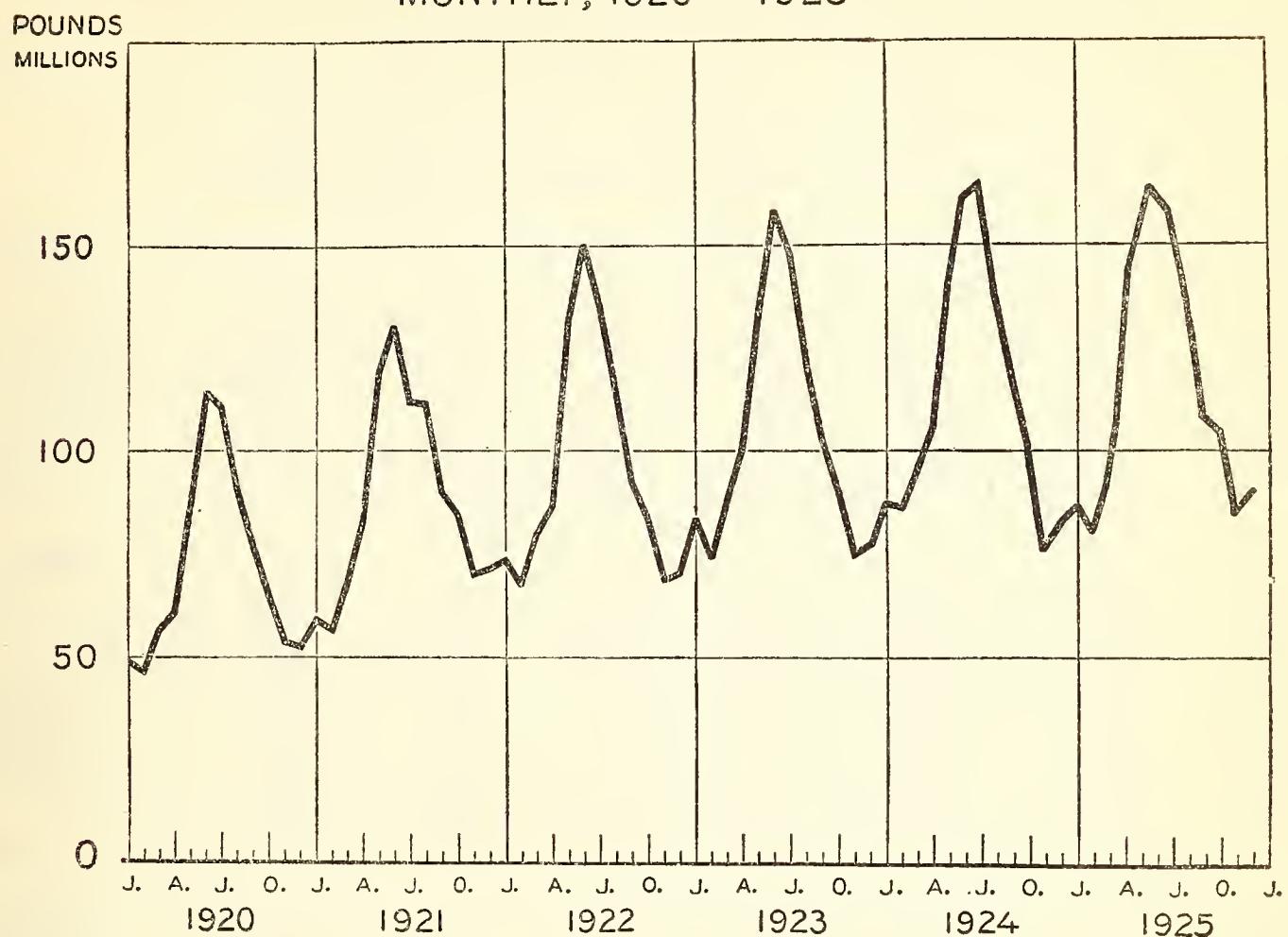


Fig. 28. This chart shows (1) marked upward trend in the monthly production of creamery butter in the United States from 1920 to 1925 and (2) the difference between the highest monthly production during the flush season and the lowest monthly production during the slack season. This difference, from 1920 to 1925, ranged from about 70 to 90 million pounds.



Table 18 - Cheese: Production by divisions and specified States, 1920 - 1925

Division and State	Total cheese (not including cottage, pot and bakers <sup>1</sup> )						Per cent of 1920
	1920	1921	1922	1923	1924	1925	1925 is of 1920
	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	:
	: pounds	: pounds	: pounds	: pounds	: pounds	: pounds	:
United States -	: 351,505	: 352,650	: 365,316	: 390,425	: 409,865	: 443,514	: 126
North Atlantic	: 59,561	: 64,305	: 72,538	: 59,823	: 63,010	: 64,631	: 109
North Central	: 269,624	: 263,911	: 265,474	: 304,350	: 315,671	: 346,702	: 129
South Atlantic	: 372	: 307	: 265	: 278	: 279	: 155	: 42
South Central	: 26	: 104	: 129	: 335	: 437	: 367	: 1,412
Mountain	: 4,278	: 5,443	: 10,539	: 10,353	: 13,548	: 14,417	: 337
Pacific	: 17,645	: 18,580	: 16,371	: 15,286	: 16,920	: 17,242	: 98
Mountain States	:	:	:	:	:	:	:
Montana	: 266	: 196	: 322	: 726	: 972	: 1,365	: 513
Idaho	: 1,727	: 2,117	: 3,368	: 5,316	: 7,670	: 7,423	: 430
Wyoming	: 1,180	: 1,543	: 3,416	: 1,791	: 1,945	: 1,923	: 163
Colorado	: 106	: 85	: 69	: 162	: 469	: 1,288	: 1,215
New Mexico	: -	: -	: 74	: 135	: 92	: 56	: -
Arizona	: 150	: 450	: 47	: 84	: 159	: 543	: 362
Utah	: 849	: 1,027	: 3,219	: 2,139	: 2,162	: 1,753	: 206
Nevada	: -	: 25	: 24	: -	: 79	: 66	: -
Pacific States	:	:	:	:	:	:	:
Washington	: 1,444	: 2,130	: 3,146	: 3,062	: 3,264	: 3,389	: 235
Oregon	: 8,482	: 8,900	: 8,852	: 7,816	: 10,073	: 10,030	: 118
California	: 7,719	: 7,550	: 4,373	: 4,408	: 3,583	: 3,823	: 50

This table includes:-

American cheese -

Whole milk

Part skim

Full skim

Swiss cheese (including block)

Brick and Munster cheese

Limburger cheese

Cream and Neufchatel cheese

All Italian varieties

All other varieties.



**CREAMERY BUTTER**  
ESTIMATED PRODUCTION IN UNITED STATES  
PACIFIC, AND MOUNTAIN STATES  
1920-1925

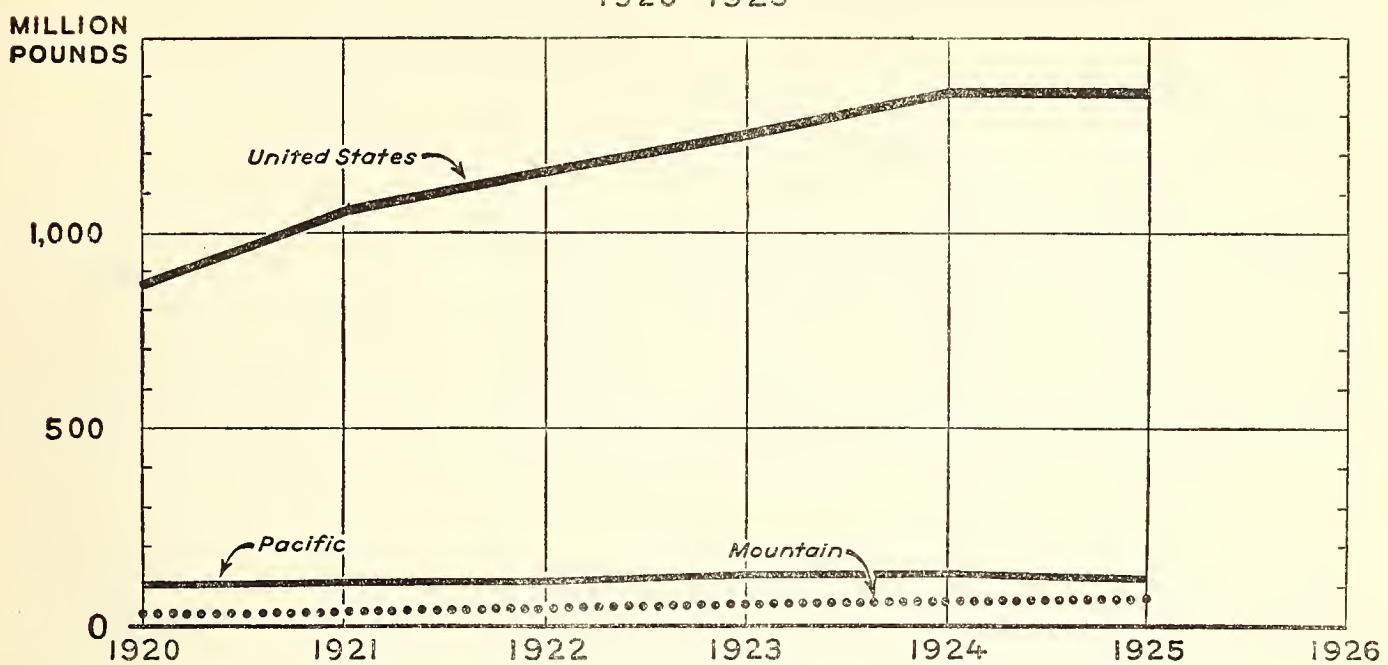


Fig. 29. The production of creamery butter in the United States increased 58 per cent from 1920 to 1925. During this period the increase was 102 per cent in the Mountain States and 20 per cent in the Pacific States.

**CHEESE**  
ESTIMATED PRODUCTION IN UNITED STATES,  
PACIFIC, AND MOUNTAIN STATES  
1920-1925

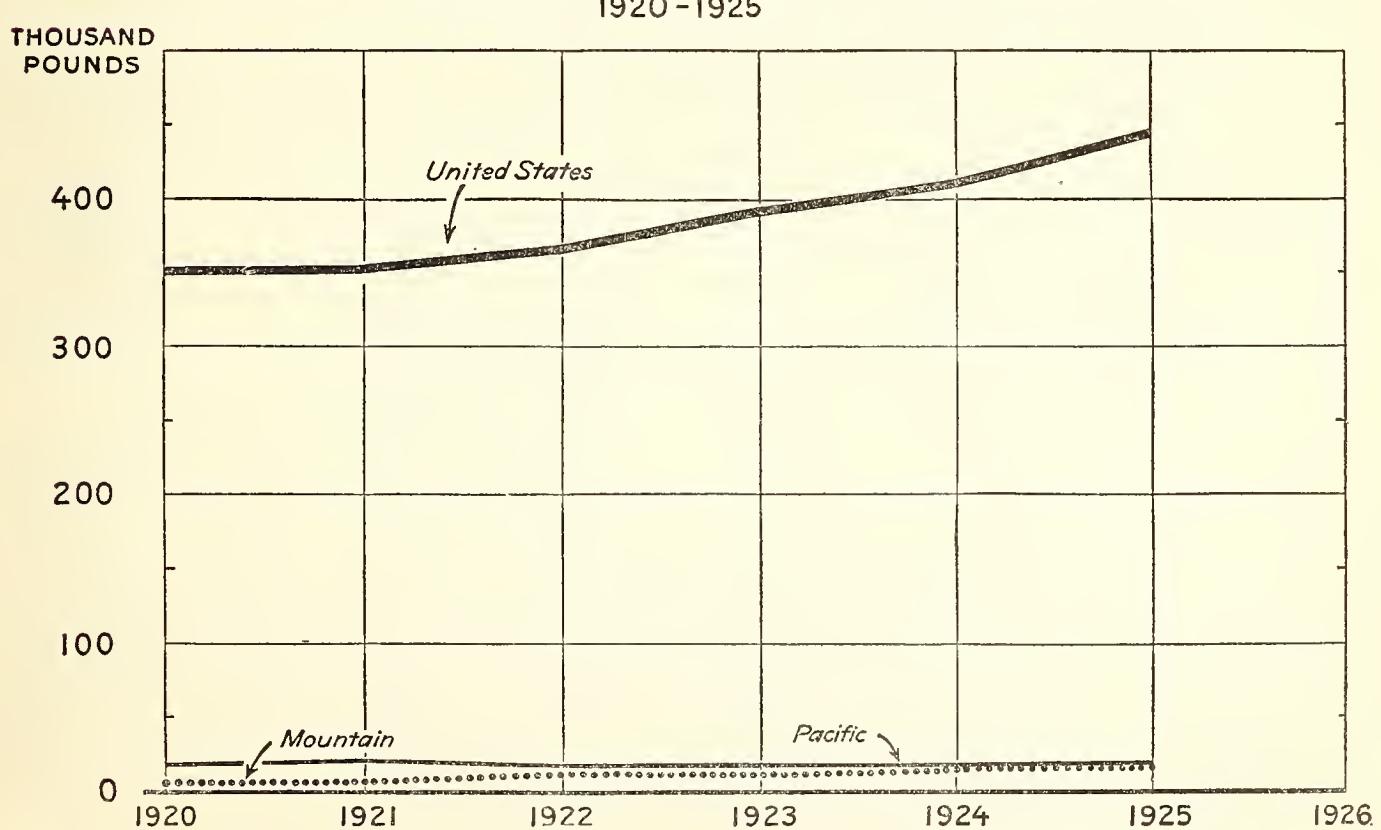


Fig. 30. From 1920 to 1925 cheese production in the United States increased 26 per cent. In the Mountain States the increase was 237 per cent while in the Pacific States there was a decrease of 2 per cent.



Table 19 - Condensed and evaporated milk: Quantity manufactured by divisions and specified States, 1920 - 1925

Division and State	1920	1921	1922	1923	1924	1925	Percent of 1920
	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: Per cent
United States ...	pounds	pounds	pounds	pounds	pounds	pounds	
	1,416,262	1,323,626	1,280,745	1,585,446	1,507,237	1,547,577	109
N. Atlantic	406,234	339,274	421,474	437,031	318,151	330,698	81
N. Central	763,870	709,479	587,945	845,737	870,843	884,874	116
S. Atlantic	4,960	13,058	11,414	11,655	12,311	10,398	210
S. Central	209	232	59	723	95	230	110
Mountain	51,070	52,793	54,271	64,651	72,528	71,298	140
Pacific	189,919	208,790	205,582	225,649	233,309	250,079	152
Mountain:-							
Montana	-	-	-	-	-	-	-
Idaho	15,375	17,835	10,661	13,668	11,365	8,956	58
Wyoming	-	-	-	-	-	-	-
Colorado	15,619	17,756	19,256	22,018	25,953	25,538	164
New Mexico	-	-	-	-	-	-	-
Arizona	3,335	3,911	3,778	3,421	4,447	3,510	105
Utah	16,741	13,291	20,576	25,544	30,763	33,294	199
Nevada	-	-	-	-	-	-	-
Pacific:-							
Washington	80,115	95,862	82,202	89,902	81,321	85,803	107
Oregon	29,028	26,201	23,538	31,931	36,029	26,549	91
California	80,776	86,727	99,842	103,816	115,959	137,727	171
	Skimmed condensed and evaporated milk						
United States	161,753	140,537	150,604	189,435	193,311	210,281	130
N. Atlantic	55,006	46,158	49,675	73,671	66,076	73,084	133
N. Central	89,147	80,004	84,400	98,593	110,530	118,244	133
S. Atlantic	8,602	6,000	3,511	4,431	4,835	3,590	42
S. Central	500	151	68	487	572	2,824	565
Mountain	445	352	101	172	7	23	5
Pacific	8,053	7,872	12,849	12,081	11,291	12,516	155
Mountain:-							
Montana	-	-	-	-	-	-	-
Idaho	37	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-
Colorado	89	127	-	136	-	-	-
New Mexico	-	-	-	-	-	-	-
Arizona	117	110	30	36	5	23	20
Utah	202	115	20	-	-	-	-
Nevada	-	-	51	-	2	-	-
Pacific:-							
Washington	3,575	2,130	2,267	372	1,382	641	18
Oregon	1,790	796	900	2,280	1,723	3,062	171
California	2,688	4,946	9,682	9,429	9,186	8,813	328



CONDENSED AND EVAPORATED MILK  
ESTIMATED PRODUCTION IN UNITED STATES,  
PACIFIC, AND MOUNTAIN STATES  
1920-1925

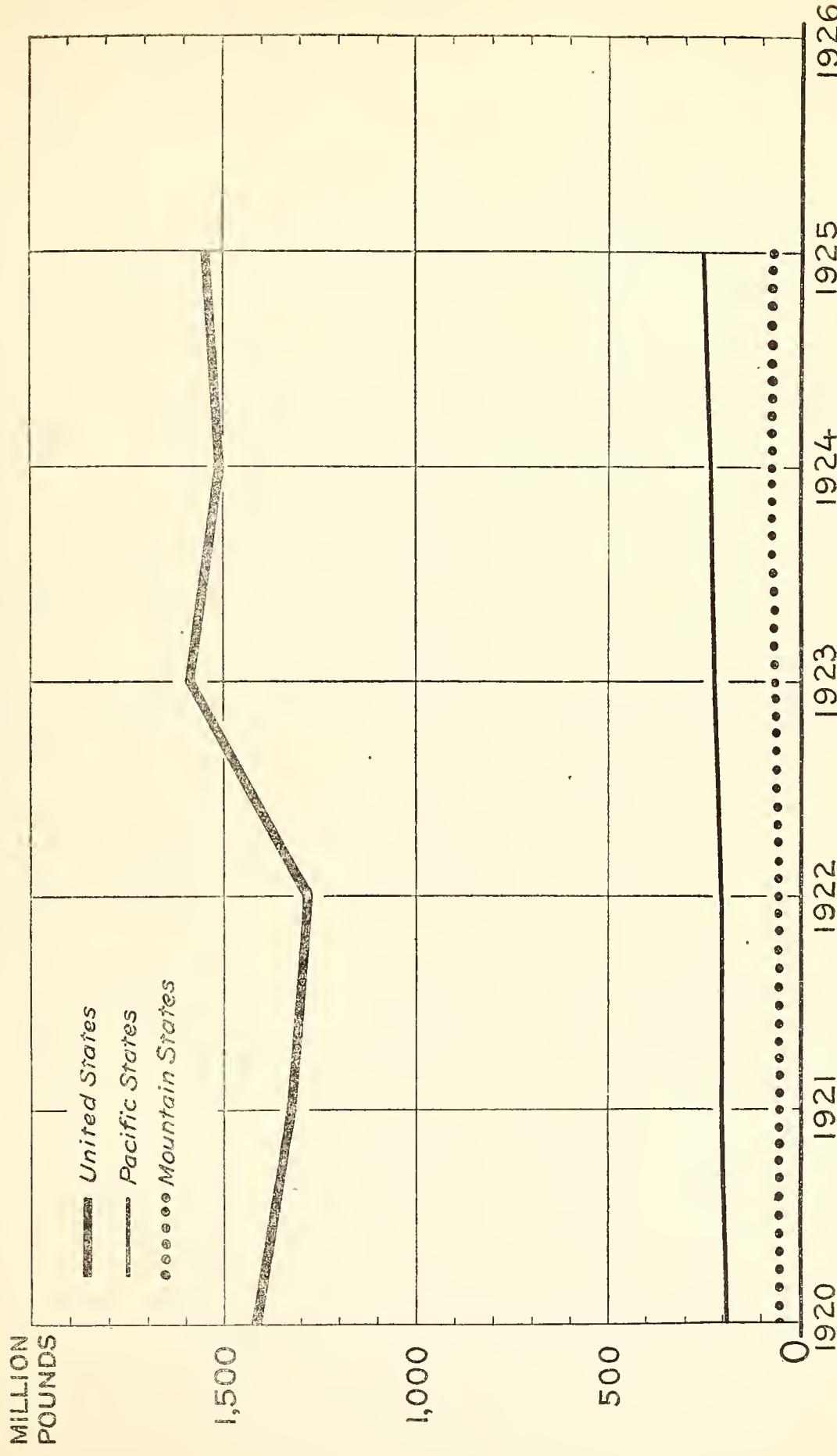


Fig. 31. The production of unskimmed condensed and evaporated milk in the United States increased 9 per cent from 1920 to 1925. In the Mountain States the increase was 40 per cent and in the Pacific States 32 per cent. The peak year of production in the United States as a whole, during this period was 1923.



Table 20 - Butter: International trade, average 1909-1913, annual 1923-1925

Country	Year ended December 31			1924			1925 preliminary		
	Average 1909-1913	1923	Exports : Imports	Exports	Imports : Exports	Exports	Imports	Exports	1,000 pounds
Principal exporting countries									
Argentina	113	6,934	6	61,486	3	65,437	-	-	57,306
Australia	46	77,859	1/ 2,368	53,798	-	111,086	-	-	2/128,497
Canada	3,388	3,973	2,738	13,174	1,174	22,344	100	26,647	
Denmark	6,241	195,530	1,593	246,157	2,049	272,033	1,741	270,674	
Esthonia <u>2</u>	-	-	-	5,174	-	7,025	-	3/13,428	
Finland	2,370	26,337	103	14,476	14	18,184	4	29,081	
Irish Free State	-	-	-	-	8,789	51,187	9,476	44,975	
Italy	972	7,870	526	2,905	1,002	6,436	259	8,010	
Latvia <u>2</u>	-	-	48	6,399	1	8,085	-	15,611	
Netherlands	4,987	75,133	1,687	52,769	3,613	76,570	5,756	87,598	
New Zealand	47	38,761	7	140,016	1	142,179	-	139,476	
Persia	2,201	3,059	2/ 443	2/ 648	-	-	-	-	
Russia	2,202	150,294	-	2/ 10,978	-	2/ 49,462	-	-	
Sweden	330	45,870	3,499	5,420	1,234	11,827	410	20,336	
Principal importing countries									
Algeria	1,946	9	1,271	35	1,553	36	2/ 1,830	-	
Austria	-	-	3,600	1	3,864	2/ 10	2/ 2,521	-	
Austria-Hungary	6,281	4,267	-	-	-	-	-	-	
Belgium	14,024	3,125	21,337	220	10,318	543	9,202	870	
Brazil	4,551	5/ 4	8	19	-	-	-	-	
China	6/ 1,677	-	1,702	-	1,621	-	-	-	
Cuba	1,459	-	2,317	-	2,477	-	-	-	
Czechoslovakia	-	-	7,806	24	3,637	2/	58	1,230	
Dutch East Indies	4,152	-	7,322	-	7,092	-	-	-	
Egypt	2,350	5/ 166	1,672	74	2,354	57	2,384	56	
France	13,713	40,769	20,876	17,314	6,862	8,983	7,405	9,191	
Germany	111,441	498	2,903	147	117,896	59	212,993	304	
Greece	206	8	5,677	2/ 6	10,727	-	2/ 1/ 546	-	
Norway	976	3,137	5,826	26	1,276	419	1,465	473	

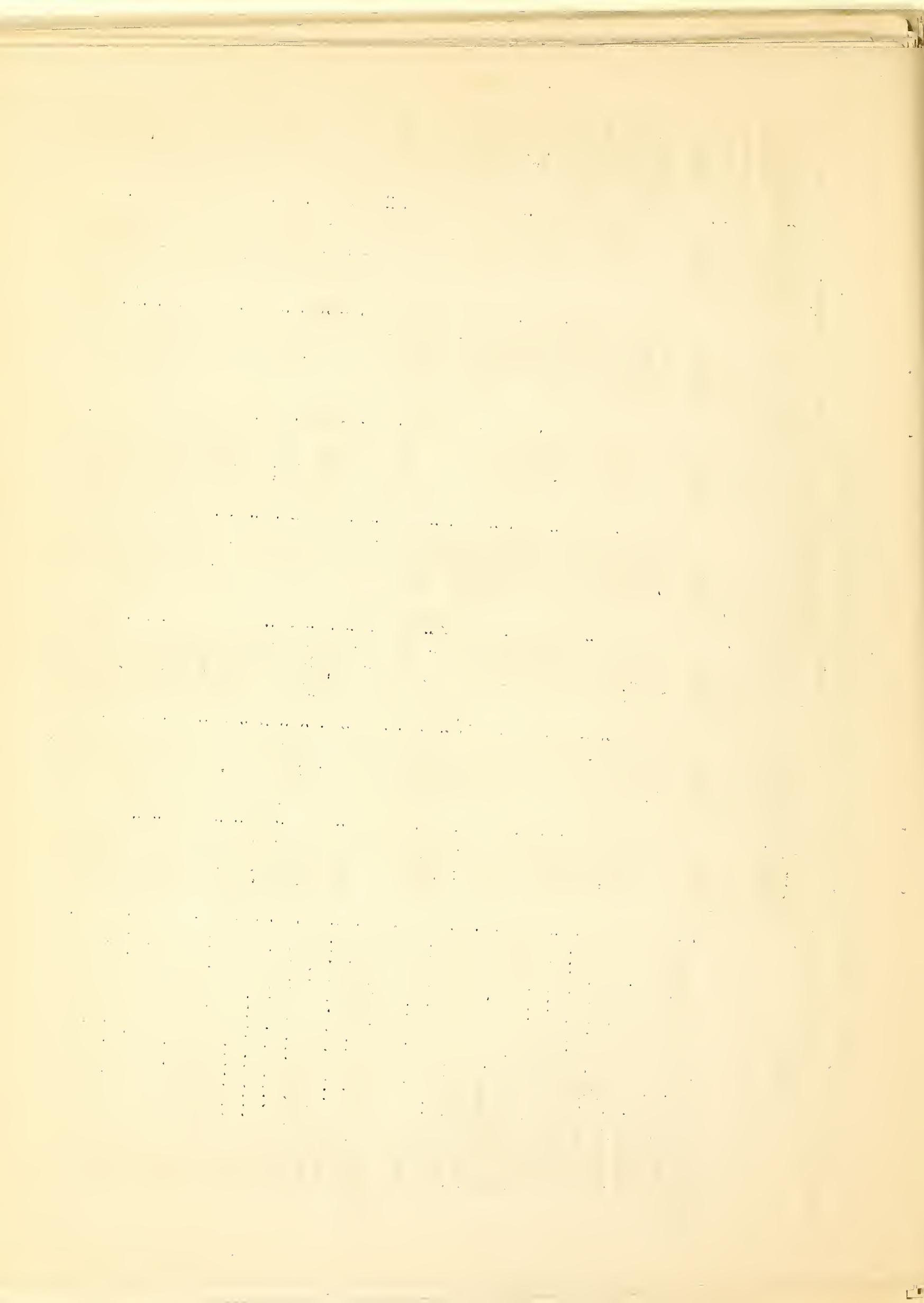


Table 20 - Butter: International trade, average 1909-1913, annual 1923-1925 (Continued)

Country	Year ended December 31			1924			1925 preliminary		
	Average 1909-1913:	1923:	Exports	Imports	Exports	Imports	Exports	Imports	Exports
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
<i>Principal importing countries, (Continued) -</i>									
Peru .....	462	20	1,337	12	1,814	10	-	-	-
Philippine Islands .....	1,665	-	853	-	1,298	-	-	-	-
Spain .....	939	259	378	391	2/ 203	8/	179	2/2/ 69	1/
Switzerland .....	11,106	44	14,684	20	19,993	2/	252	19,092	1/
Trinidad and Tobago .....	847	-	1,092	18	1,049	2/	21	-	-
Union of South Africa .....	3,913	26	1,166	601	1,579	-	411	1/ 683	1/
United Kingdom .....	455,489	1,179	554,803	2,092	570,761	2,239	616,413	1/ 298	1/ 445
United States .....	1,647	4,125	23,741	5,846	19,405	8,257	7,212	5,343	49 -
Other countries .....	12,273	37	13,418	7,462	13,479	6,842	10,693	1,737	-
Total .....	674,014	689,293	706,807	647,708	817,138	870,231	911,484	861,533	-

Butter includes all butter made from milk, melted and renovated butter, but does not include margarine, cocoa butter or ghee.

1/ Year beginning July 1.

2/ International Institute of Agriculture.

3/ Eleven months.

4/ Nine months.

5/ Two-year average.

6/ Four-year average.

7/ Eight months.

8/ Six months.

9/ Ten months.



Table 21. Cheese: International trade, average 1909-1913, annual 1923-1925.

Country	Average			1923			1924			1925		
	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Principal exporting countries												
Argentina	10,447	6	2,359	11,670	2,546	3,461	—	—	—	—	414	414
Australia	360	2/	799	2/	3,788	6,678	—	—	—	—	3/	9,552
Bulgaria	52	2/	5,972	34	1,175	3/	15	258	—	—	—	—
Canada	1,054	2/	167,260	1,900	116,202	909	121,466	10,274	1,777	1,777	150,743	150,743
Czechoslovakia	—	—	—	1,929	3,917	1,671	5,431	19,480	853	853	8,048	8,048
Denmark	1,414	—	—	12,038	12,038	673	5,613	1,344	6/	6/	18,783	18,783
Finland	478	—	527	721	2,944	3/	36	1	1,643	1,643	8,421	8,421
Hungary	—	—	2,086	23	1,160	4,156	74,110	3,868	1,271	1,271	86,228	86,228
Italy	13,308	—	60,560	10,228	50,389	50,389	170,352	1,164	1,164	1,164	175,711	175,711
Netherlands	522	—	127,379	873	136,646	136,646	178,582	—	—	—	154,196	154,196
New Zealand	3	—	55,561	5/	161,444	161,444	19	19	—	—	—	—
Russia	5,911	—	7,011	—	—	—	—	—	—	—	—	—
Switzerland	7,150	—	70,075	2,543	39,046	4,163	43,776	3,765	3,765	3,765	51,726	51,726
Yugoslavia	—	—	—	118	9,309	3/	191	7,439	3/	3/	3/	4,197
Principal importing countries												
Algeria	6,592	138	7,415	189	7,547	174	7,884	—	—	—	—	629
Austria	—	—	9,847	317	10,142	1,189	6/	6/	6/	6/	6/	6/
Austria-Hungary	—	12,298	—	—	—	—	—	—	—	—	—	—
Belgium	354	354	39,553	1,039	37,643	1,513	38,274	—	—	—	—	1,794
Brazil	—	—	254	3	—	—	—	—	—	—	—	—
British India	1,314	—	1,006	—	1,046	3/	4	—	—	—	—	—
Cuba	4,520	7	5,065	3	5,697	8	—	—	—	—	—	—
Dutch East Indies	757	—	1,242	—	1,383	—	—	—	—	—	—	—
Egypt	8,182	8/	48	6,007	122	5,960	117	7,157	7,157	7,157	7,157	155

(continued)



Table 21. Cheese: International trade, average 1909-1913, annual 1923-1925. (continued)

Country	Year ended December 31			1925		
	Average 1909-1913	1923	1924	Imports	Exports	Imports
Imports	Exports	Imports	Exports	Imports	Exports	Exports
1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Principal exporting countries. (cont'd):						
France	49,056	26,830	45,690	27,908	32,044	34,394
Germany	48,687	1,967	24,930	636	96,702	1,239
Irish Free State	-	-	-	-	2,590	542
Norway	663	377	1,962	697	1,106	737
Spain	5,032	53	5,971	126	6,060	3/
Sweden	946	41	4,189	114	2,210	266
Tunis	1,382	19	1,031	40	1,073	48
Union of South Africa	4,991	3	832	118	552	127
United Kingdom	257,407	950	313,280	946	318,041	843
United States	46,346	5,142	64,420	8,331	59,176	4,299
Other countries	12,596	3,942	16,176	2,907	14,192	2,906
Total	535,417	538,124	571,090	593,224	625,432	686,453

All cheese made from milk, including "Cottage cheese". 1/ Four-year average. 2/ Year beginning July 1. 3/ Inter-national Institute of Agriculture. 4/ Three-year average. 5/ Less than 500 pounds. 6/ Nine months. 7/ Eleven months. 8/ One year only. 9/ Ten months. 10/ Eight months.



Table 22 - Condensed Milk: International trade, average 1909-1913, annual 1923-1925

Country	Year ended December 31			1924			1925 preliminary		
	Average 1909-1913	1923	Imports : Exports : pounds : pounds						
<b>Principal exporting countries:-</b>									
Australia <u>1</u> .....	4,463	727	2/	79	2/12,726	-	-	-	-
Canada .....	259	4,575	-	177	41,056	155	40,251	119	40,614
Denmark .....	3/	11	4/ 4,724	4	66,969	-	71,198	-	57,739
Italy .....	806	5,913	-	987	6,791	855	13,559	2/	15,897
Netherlands .....	6/	39	55	163	227,393	236	233,901	291	248,674
New Zealand <u>1</u> .....	261	-	132	3	1,443	31	1,408	93	1,144
Norway .....	3	32,106	-	989	16,069	685	13,311	1,169	16,848
Switzerland .....	201	80,539	-	177	55,827	120	58,225	68	67,555
United States .....	-	4/16,200	-	10,398	194,264	6,619	206,280	6,964	147,763
<b>Principal importing countries:-</b>									
Argentina .....	742	-	-	1,016	-	946	-	13	549
Belgium .....	7/	8,694	7/	668	-	1,399	-	281	3
Brazil .....	-	-	-	645	-	-	-	-	1,096
British India <u>1</u> .....	11,236	-	-	7,083	-	8/10,033	8/	2/14,124	-
China .....	4,484	-	-	9,443	-	217	-	87	-
Cuba .....	28,457	-	-	46,948	-	-	-	-	-
Egypt .....	10/1,628	-	-	1,546	-	9,461	-	-	-
France .....	2,458	4,140	-	25,124	-	47,974	-	-	-
Germany <u>11</u> .....	66	12,080	-	8,872	-	1,740	-	160	1,171
Japan .....	10,061	-	-	12,623	-	7,483	-	5,256	253
Java and Madura .....	2/ 6,136	3/	74	10,752	-	24,168	-	19,991	6,001
Philippine Islands .....	12,311	-	-	16,855	-	582	-	570	1,428
Spain .....	5,605	-	-	51	-	12,642	-	74	28,392
								22/ 4,637	12/ 110

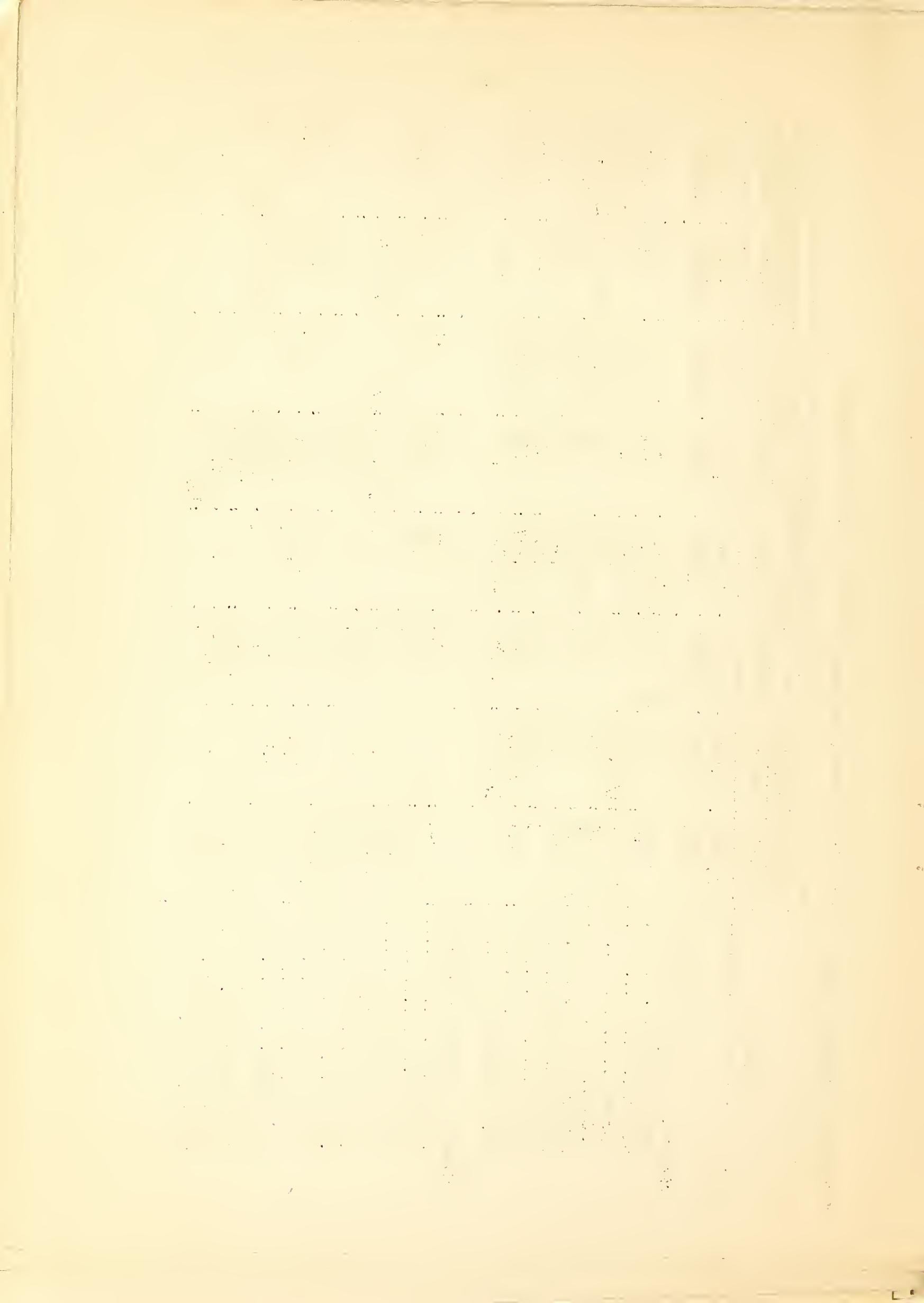


Table 22 - Condensed Milk: International trade, average 1909-1913, annual 1923-1925 (Continued)

Country	Year ended December 31					
	Average 1909-1913	1923	1924	1925	1925 preliminary	
Imports	Exports	Imports	Exports	Imports	Exports	
1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
Principal importing countries: (continued) -						
Sweden .....	28	92	190	20	51	91
Union of South Africa ..	21,227	14/	10,697	1	15/	6,281
United Kingdom .....	121,175	48,221	249,859	13,825	244,379	15/
Total twenty-five countries	240,351	209,578	415,349	645,112	427,191	655,649
1/	Includes some preserved milk.					
2/	Year beginning July 1.					
3/	Two-year average.					
4/	Four-year average.					
5/	Eleven months.					
6/	Three-year average.					
7/	Not separately stated.					
8/	Twelve months' sea-trade, three months' land-trade.					
9/	Sea-trade only.					
10/	One year only.					
11/	Includes some powdered milk.					
12/	Five months.					
13/	Six months.					
14/	Less than 500 pounds.					
15/	Eight months.					



PRODUCTION OF  
POWDERED SKIM MILK, CHEESE AND BUTTER  
PERCENTAGE CHANGES FROM 1917  
1917 - 1925

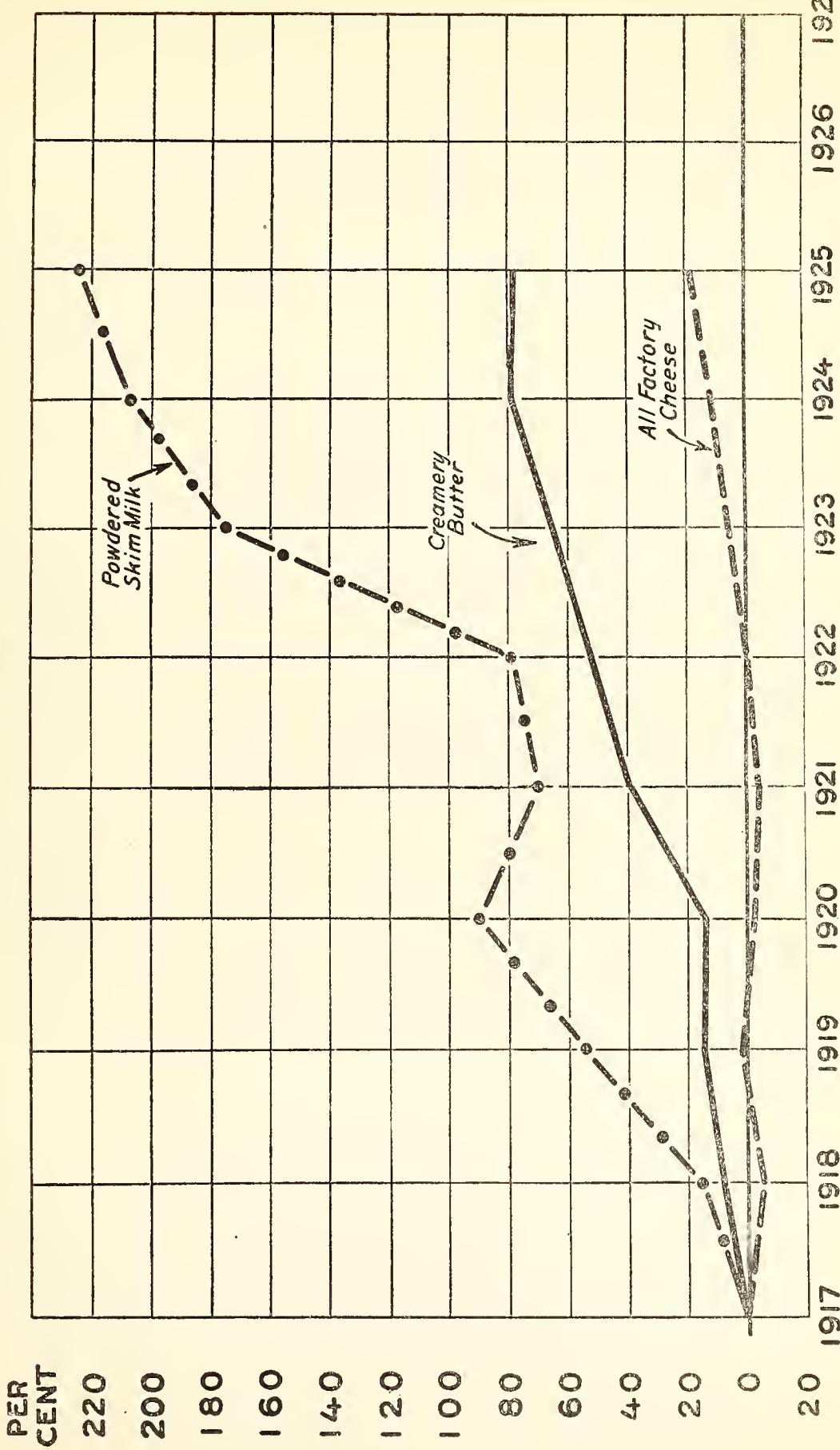


Fig. 32. The production of powdered skim milk in the United States in 1917 was 22,624,000 pounds. Production of this product increased 224 per cent from 1917 to 1925. During this period the production of creamery butter increased 78 per cent and that of all factory cheese 19 per cent.

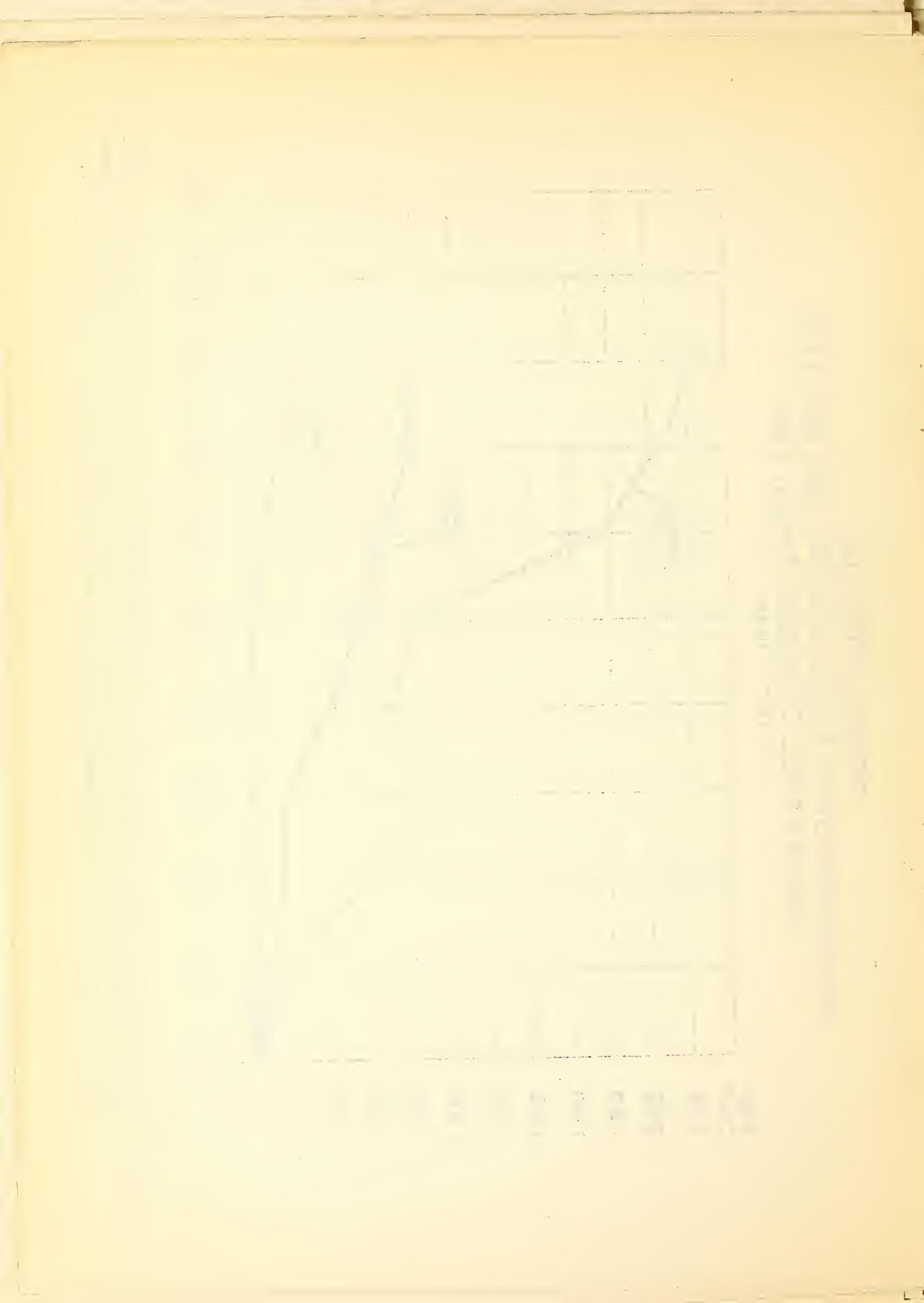


Table 23. Dairy Products: Value of imports and exports, United States 1919-1925.

Item	Year ending December 31						
	1919	1920	1921	1922	1923	1924	1925
	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
General Imports:--							
Butter and substitutes	4,860	18,646	7,392	2,635	8,507	7,047	2,646
Cheese and substitutes	4,073	5,657	8,677	14,609	20,888	17,299	17,349
Milk - condensed, evaporated, sterilized and powdered.							
	2,080	3,332	1,420	688	1,429	1,145	1,280 <sup>1</sup>
Milk and cream, fresh and buttermilk	1,850	2,702	2,991	3,141	5,621	6,969	8,834
Total.....	12,863	30,337	20,480	21,073	36,445	32,460	30,109
Domestic Exports:--							
Butter and substitutes	17,504	10,142	3,270	4,064	2,569	3,429	2,411
Cheese and substitutes	5,350	5,054	2,716	1,248	2,179	1,118	2,420
Milk - condensed, evaporated and powdered	121,893	65,239	37,680	19,464	22,497	22,962	17,939
Milk and cream, fresh and sterilized	1,730	382	480	129	92	60	67
Total.....	146,477	80,817	44,146	24,905	27,337	27,569	22,837
Foreign Exports:--							
Butter and substitutes	11	88	364	45	366	357	99
Cheese and substitutes	151	809	63	84	53	72	128
Milk and cream - condensed or preserved							
	142	31	94	149	14	35	15
Total.....	304	928	521	278	433	464	242
Net Imports <sup>1/2</sup>	-	-	-	-	8,675	4,427	7,030
Net Exports <sup>1/3</sup>	133,918	51,408	24,187	4,110	-	-	-

Compiled from reports of Bureau of Foreign and Domestic Commerce.

<sup>1/1</sup> Includes powdered cream and malted milk 1925.

<sup>1/2</sup> General imports less the sum of domestic and foreign exports.

<sup>1/3</sup> The sum of domestic and foreign exports less general imports.

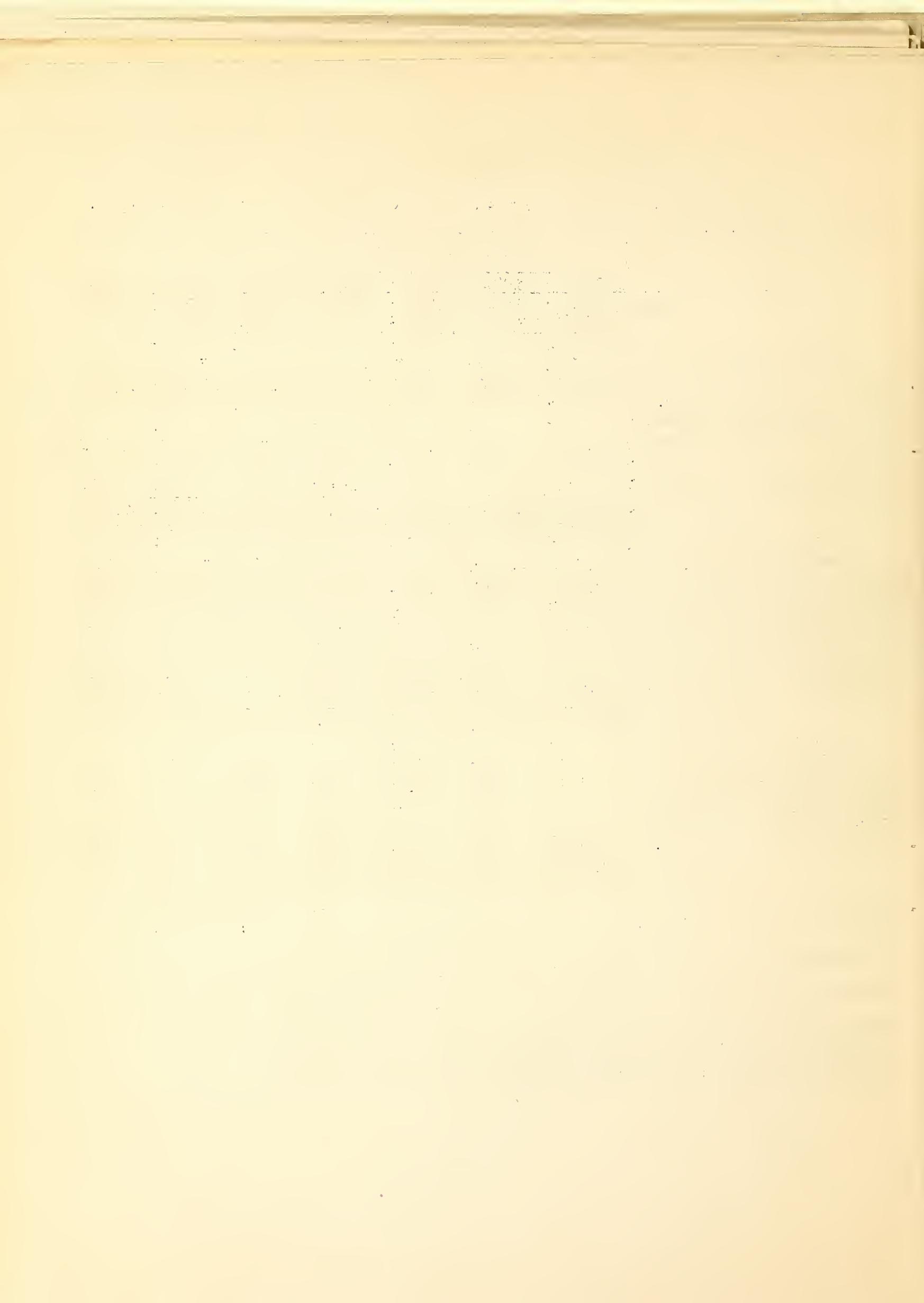


Table 24. Dairy Products: Imports into the United States by divisions and specific states, 1924 and 1925.

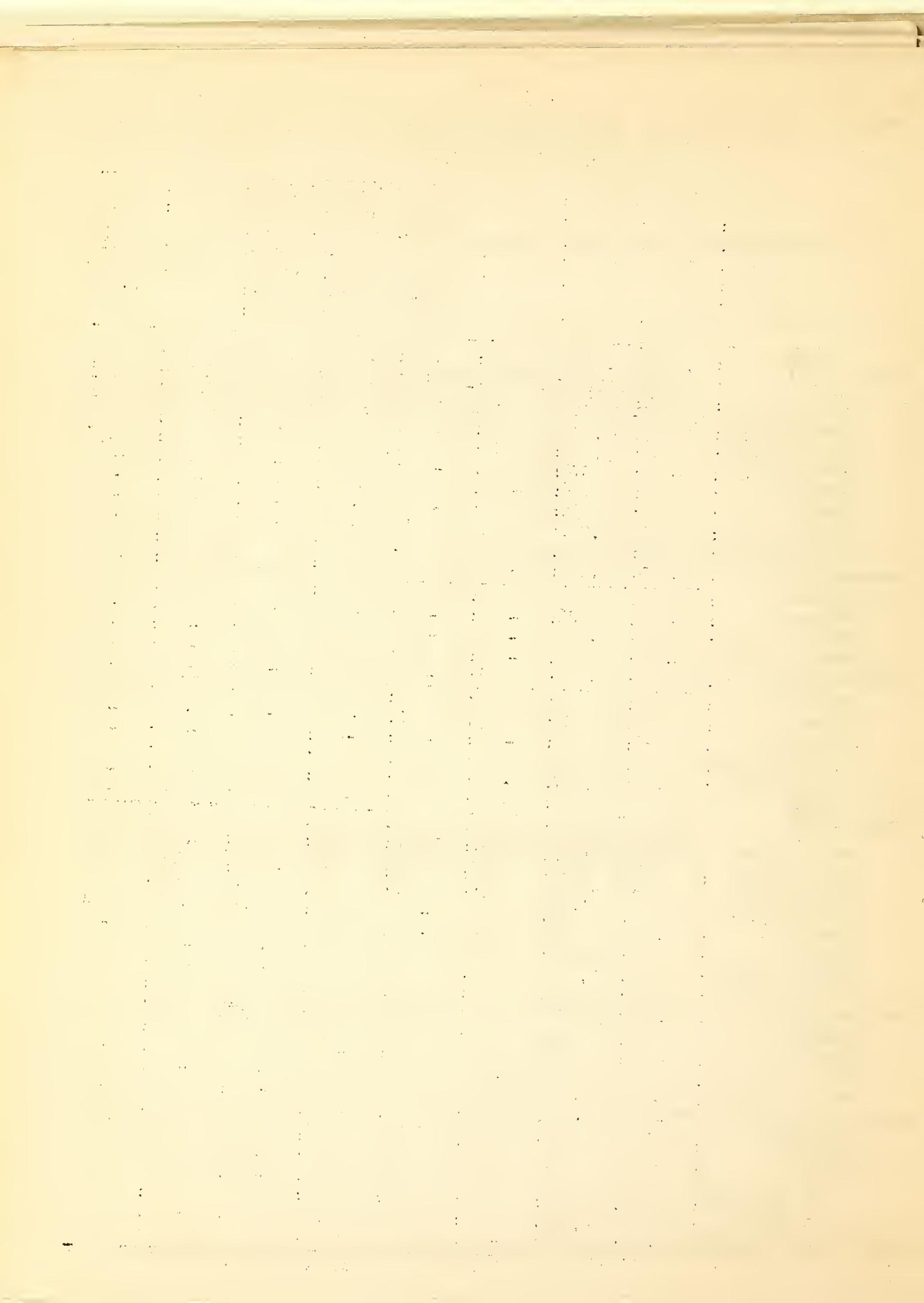


Table 25. Dairy Products: Exports from the United States by divisions and specified states, 1924 and 1925.

State and District	:		Milk	Milk	Milk	Evaporated
	:		Fresh	Condensed	Evaporated	Milk
	:		Butter	Cheese and	Condensed	Dried
	:		Sterilized	Sweetened	Unsweetened	Powdered
:		zized	zened	zened	zened	Dried
:		1,000 pounds	1,000 pounds	1,000 gallons	1,000 pounds	1,000 pounds
<u>1925</u>						
United States	5,343	9,390	86	42,707	105,056	3,649
North Atlantic	2,341	3,671	60	21,269	68,390	2,768
North Central	-	2,859	-	1	4,853	84
South Atlantic	621	491	3	195	2,562	270
South Central	1,393	1,458	1	2,520	1,310	110
Mountain	60	93	1	64	267	3
Pacific	896	579	20	13,645	27,639	412
Alaska, Hawaii and Porto Rico	32	39	1	15	35	2
Mountain States						
Arizona	60	68	1	64	267	2
Colorado	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Montana and Idaho	-	5	-	-	-	1
Pacific States						
Washington	11	274	9	4,746	10,393	347
Oregon	-	5	-	-	239	-
California	-	-	-	-	-	-
San Francisco	840	259	-	13,784	16,829	65
Los Angeles	45	41	11	113	178	-
<u>1924</u>						
United States	8,257	4,299	67	64,025	142,254	5,529
North Atlantic	5,167	1,625	42	39,762	99,981	4,364
North Central	86	233	3	54	13,260	36
South Atlantic	691	657	1	935	4,205	9
South Central	1,127	1,326	1	3,119	961	72
Mountain	47	32	4	53	252	2
Pacific	1,099	399	14	20,095	23,570	1,044
Alaska, Hawaii and Porto Rico	40	27	2	7	25	2
Mountain States						
Arizona	47	29	4	52	252	1
Colorado	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Montana and Idaho	-	3	-	1	-	1
Pacific States						
Washington	17	85	9	7,216	10,435	469
Oregon	-	-	-	19	27	-
California	-	-	-	-	-	-
San Francisco	1,033	269	-	12,716	12,937	574
Los Angeles	49	45	5	144	171	1

Compiled from reports of Bureau of Foreign and Domestic Commerce.



Table 26. Rates of duty on milk, cream and other dairy products. 1

Tariff Act	Fresh Milk	Cream	Sour and buttermilk	Butter	Cheese	Milk condensed or evaporated
1922	$2\frac{1}{2}$ cents per gallon, provided that milk containing more than 7 per cent butterfat shall be dutiable as cream	20 cents per pound. Changed by Presidential proclamation of March 6, 1926.	1 cent per gallon: 8 cents per pound. Changed by Presidential proclamation of March 6, 1926.	5 cents per pound. Changed by Presidential proclamation of March 6, 1926.	5 cents per pound. Changed by Presidential proclamation of March 6, 1926.	In hermetically sealed containers: unsweetened, 1 cent per pound; sweetened $1\frac{1}{2}$ cent per pound; all other $1\frac{1}{2}$ / $\frac{1}{2}$ cent per pound.
1921	2 cents per gallon	5 cents per gallon	Not specifically provided: for $\frac{1}{3}$ pound	6 cents per pound. Free for $\frac{1}{3}$ pound	23 per centum ad valorem	2 cents per pound. Free $\frac{1}{2}$
1913	Free	Free	Not specifically provided: for $\frac{1}{3}$ pound	$2\frac{1}{2}$ cents per pound	20 per centum ad valorem	Free $\frac{1}{2}$
1909	2 cents per gallon	5 cents per gallon	Not specifically provided: for $\frac{1}{4}$ pound	6 cents per pound	6 cents per pound	2 cents per pound $\frac{1}{2}$

United States Tariff Commission - Statement March 20, 1926 with respect to: (Milk, fresh, sour milk and buttermilk and cream)

1/ The Act of 1922 levies the following duties on other dairy products - whole milk powder, 3 cents per pound; cream powder, 7 cents per pound, and skinned milk powder, 1-1/2 cents per pound; malted milk and compounds or mixtures of or substitutes for milk or cream, 20 per cent ad valorem.

2/ Preserved or condensed, or sterilized by heating or other process.

If any imported, sour milk possibly free as milk and buttermilk dutiable as unenumerated manufactured article at 15 per cent under Act of 1913.

4/ If any imported, sour milk possibly dutiable as unenumerated, unmanufactured article at 10 per cent, and buttermilk dutiable as unenumerated, manufactured article at 20 per cent.



BALANCE OF TRADE IN DAIRY PRODUCTS  
(IN TERMS OF MILK)

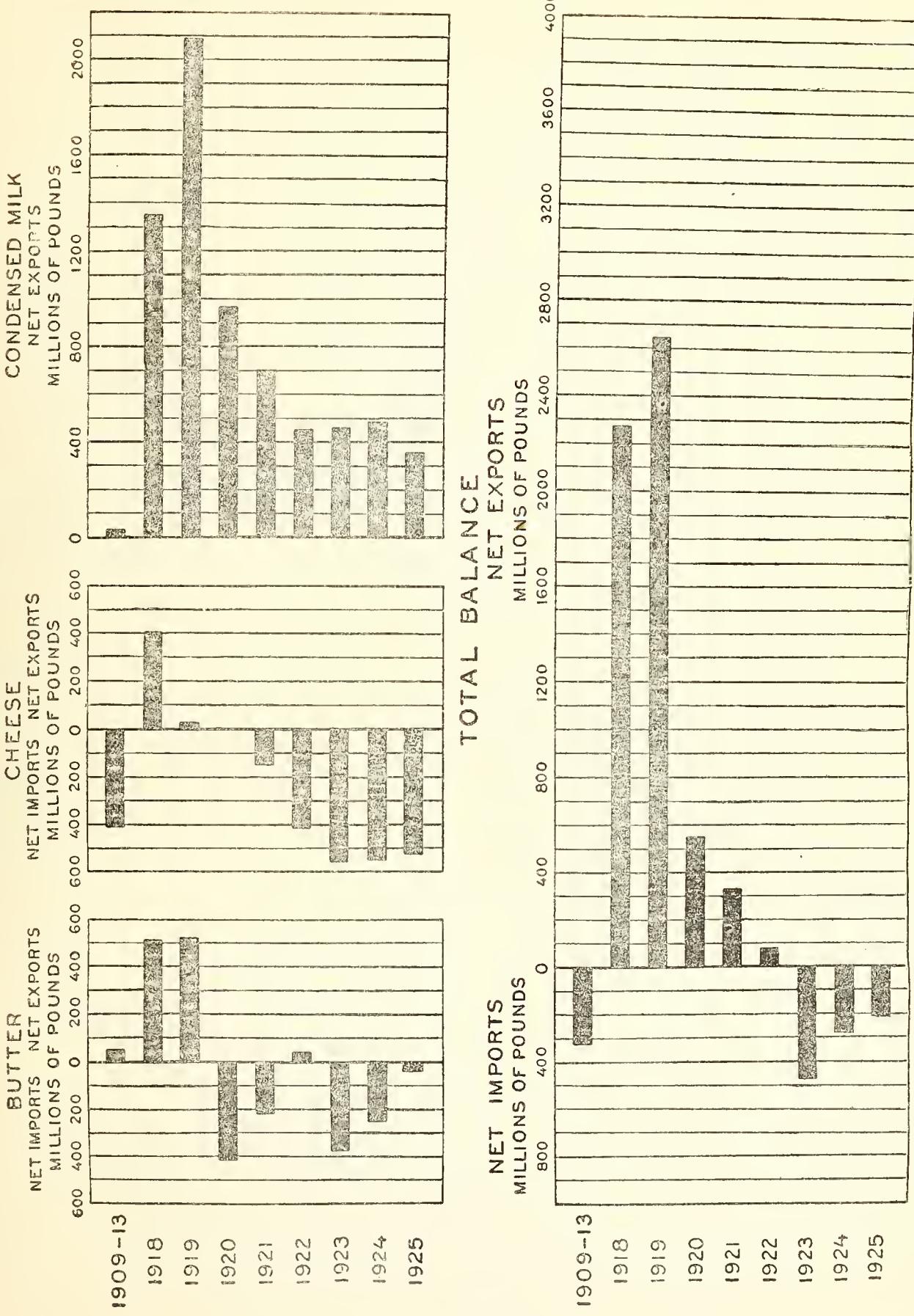


Fig. 33. Imports exceeded exports for the 5-year period 1909-1913, when all dairy products are considered. The World War increased the demand for dairy products and from 1914 to 1922 exports exceeded imports. During the last three years, 1923-25, we have been on an import basis. One pound each of cheese, butter and condensed milk equals 21.10 and  $2\frac{1}{2}$  pounds of milk, respectively,



COLD STORAGE HOLDINGS OF CREAMERY BUTTER  
1923-1926, AND FIVE YEAR AVERAGE, 1919-'23

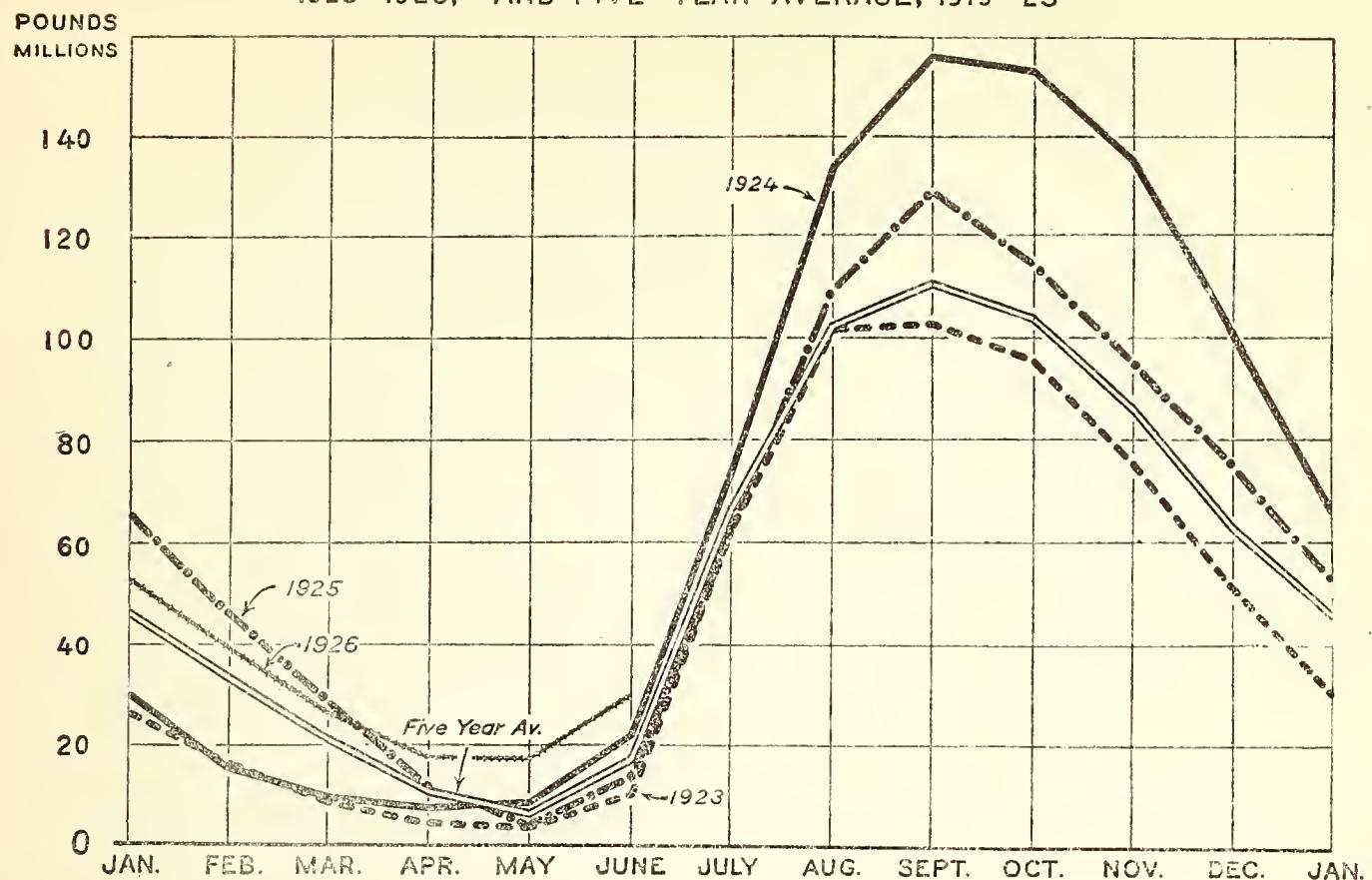


Fig. 34.

COLD STORAGE HOLDINGS OF ALL VARIETIES OF CHEESE  
1923-1926, AND FIVE YEAR AVERAGE, 1919-'23

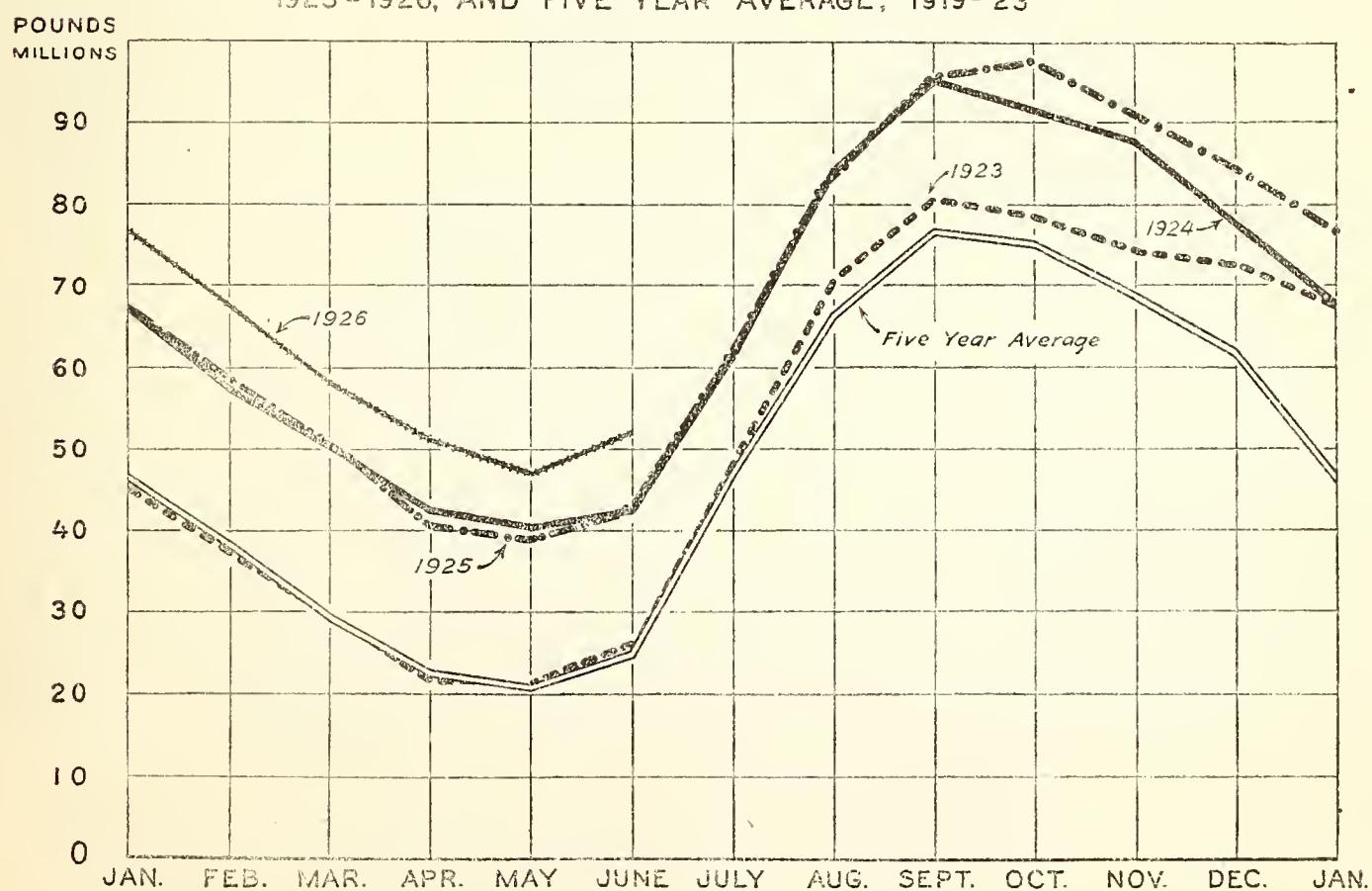


Fig. 35.



Table 27 - Cold-storage holdings of creamery butter, 1916 - 1925

Year beginning	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1	Dec. 1
January 1:												
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds
1916	48,977	31,139	15,033	3,346	1,062	7,017	53,863	102,537	105,836	100,522	85,260	79,292
1917	46,134	30,474	16,952	6,805	3,607	9,253	49,982	88,992	103,179	109,154	100,115	79,928
1918	50,726	26,618	18,808	14,629	9,536	12,698	49,140	88,305	99,334	87,883	80,874	65,111
1919	43,910	36,777	24,191	11,909	9,659	29,435	90,158	123,546	131,388	121,816	109,474	73,654
1920	53,737	38,359	22,568	12,555	7,554	12,872	52,526	101,455	115,558	115,385	101,778	79,750
1921	58,682	41,486	27,103	14,732	7,712	21,682	61,991	82,838	92,292	90,116	77,983	65,129
1922	48,412	35,047	22,582	9,113	3,830	13,202	67,410	103,151	112,039	96,680	72,857	47,773
1923	26,819	16,122	8,910	4,824	3,248	12,122	62,768	101,774	102,731	96,117	76,472	51,508
1924	30,299	15,246	9,847	7,842	8,913	22,348	74,184	134,118	156,440	153,494	135,018	100,832
1925	65,694	45,748	28,789	10,875	3,739	13,036	63,687	109,075	128,403	114,172	94,916	74,754

Table 28 - Cold-storage holdings of American cheese in the United States.

Year beginning	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1	Dec. 1
January 1:												
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds	pounds
1916	28,553	18,908	13,373	8,443	6,546	7,301	16,357	31,569	46,776	49,579	45,713	37,080
1917	31,855	21,113	15,560	9,842	7,928	11,626	34,159	67,595	91,545	90,671	78,087	75,166
1918	55,784	53,298	37,743	27,965	17,736	20,395	30,054	48,804	55,742	42,065	33,402	25,625
1919	19,623	15,486	9,837	6,750	5,027	12,478	37,501	52,645	76,661	81,359	72,889	62,508
1920	53,158	43,631	34,039	23,431	16,963	13,502	29,654	51,512	60,372	55,007	48,566	39,921
1921	34,215	25,000	17,477	14,294	13,466	17,814	34,948	41,284	46,535	45,163	42,969	34,055
1922	27,391	21,430	15,006	10,745	10,868	15,481	33,130	46,580	53,625	49,473	40,852	37,291
1923	33,617	26,593	20,693	14,465	14,077	17,507	36,834	55,839	63,960	62,384	57,927	55,105
1924	49,556	40,506	35,160	28,294	26,202	27,172	45,239	65,864	76,406	73,153	67,905	58,705
1925	49,337	41,552	34,647	27,716	25,147	29,550	46,468	66,634	76,512	78,582	71,913	66,495



COLD STORAGE HOLDINGS OF AMERICAN CHEESE  
1923-1926, AND FIVE YEAR AVERAGE, 1919-23

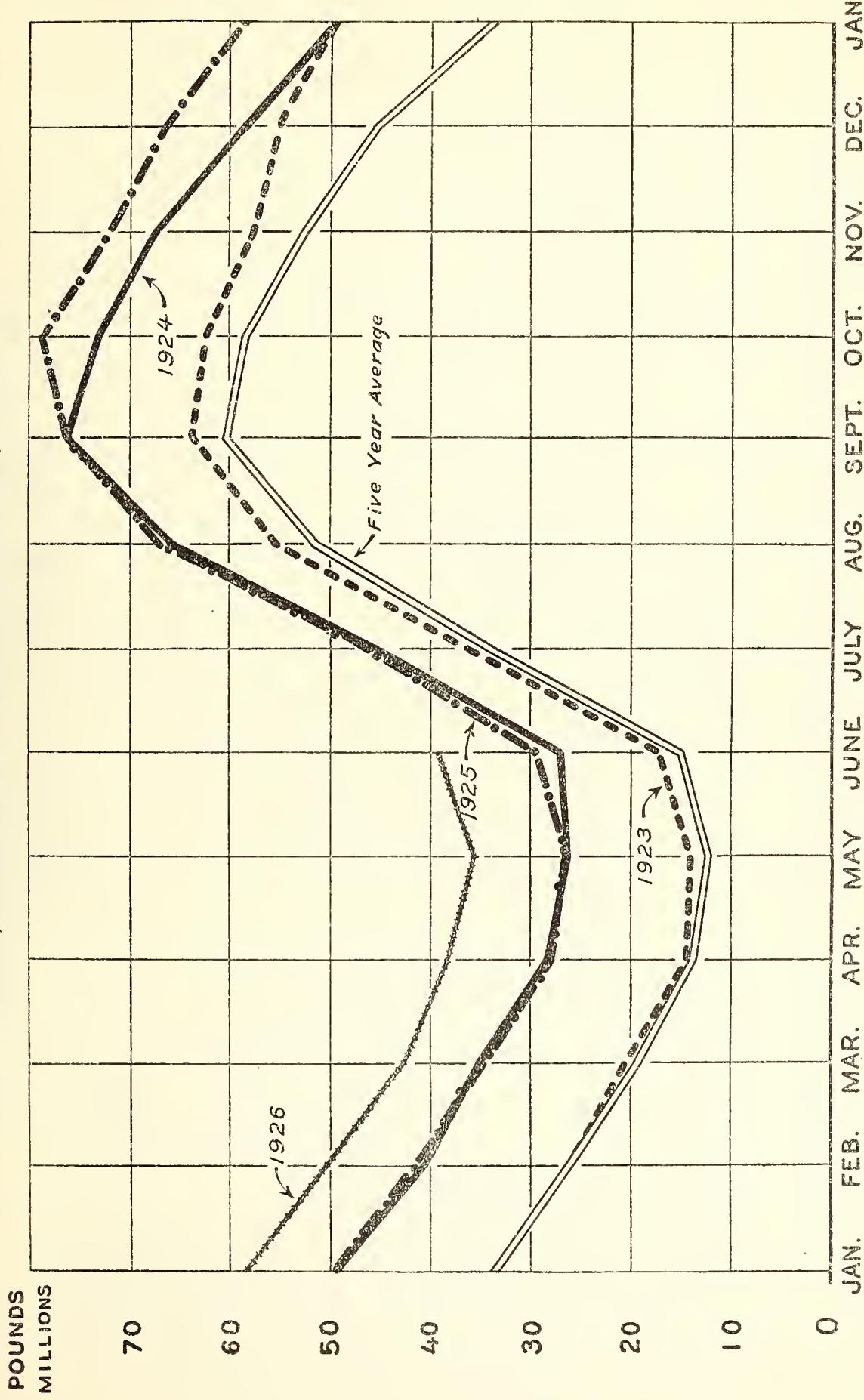


Fig. 34, 35 and 36. Cold storage holdings of butter and cheese usually reach the low point about May 1, then begin to increase and usually reach the high point in September. During April and May cows are put on pasture, the milk flow increases and the production of butter and cheese over-takes and passes consumption. The surplus of the flush season is placed in storage and held until consumption catches up with production.



COLD STORAGE HOLDINGS OF BUTTER  
IN 26 CITIES AND ENTIRE U.S.  
May 1, 1924 — June 1, 1926

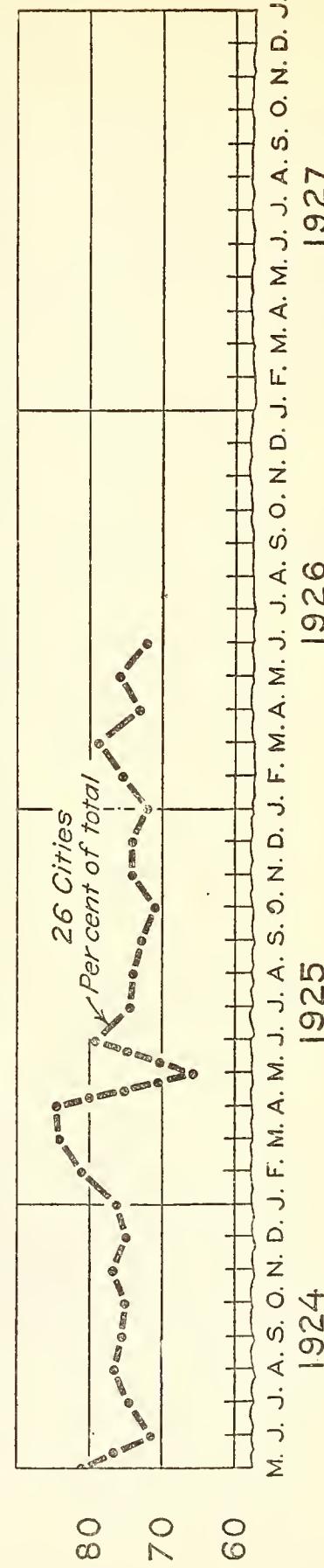
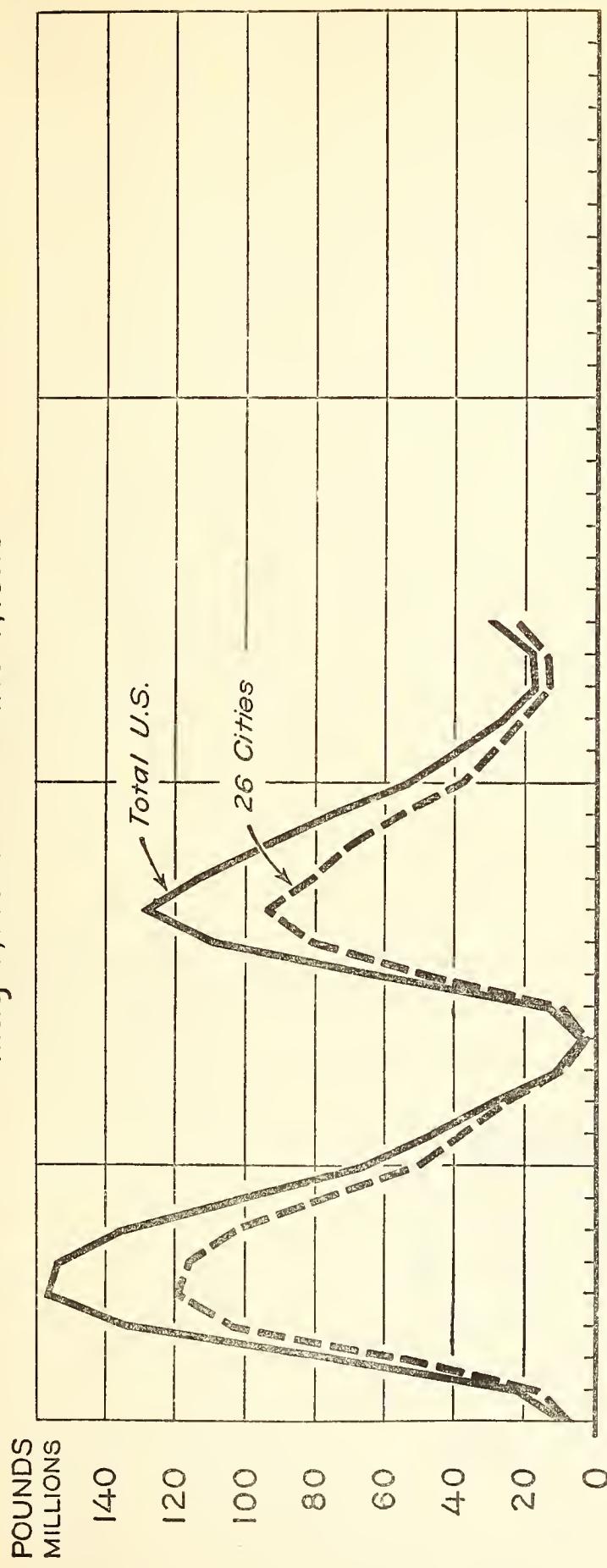


Fig. 37. The total cold storage holdings of the most important 26 cities are an excellent index of the cold storage holdings of the country as a whole. The figures for the 26 cities, which are published each Monday, show total storage holdings in these cities at the close of business the previous Friday. Figures covering storage holdings on the first day of the month for the country as a whole are not released until about the 12th of each month.



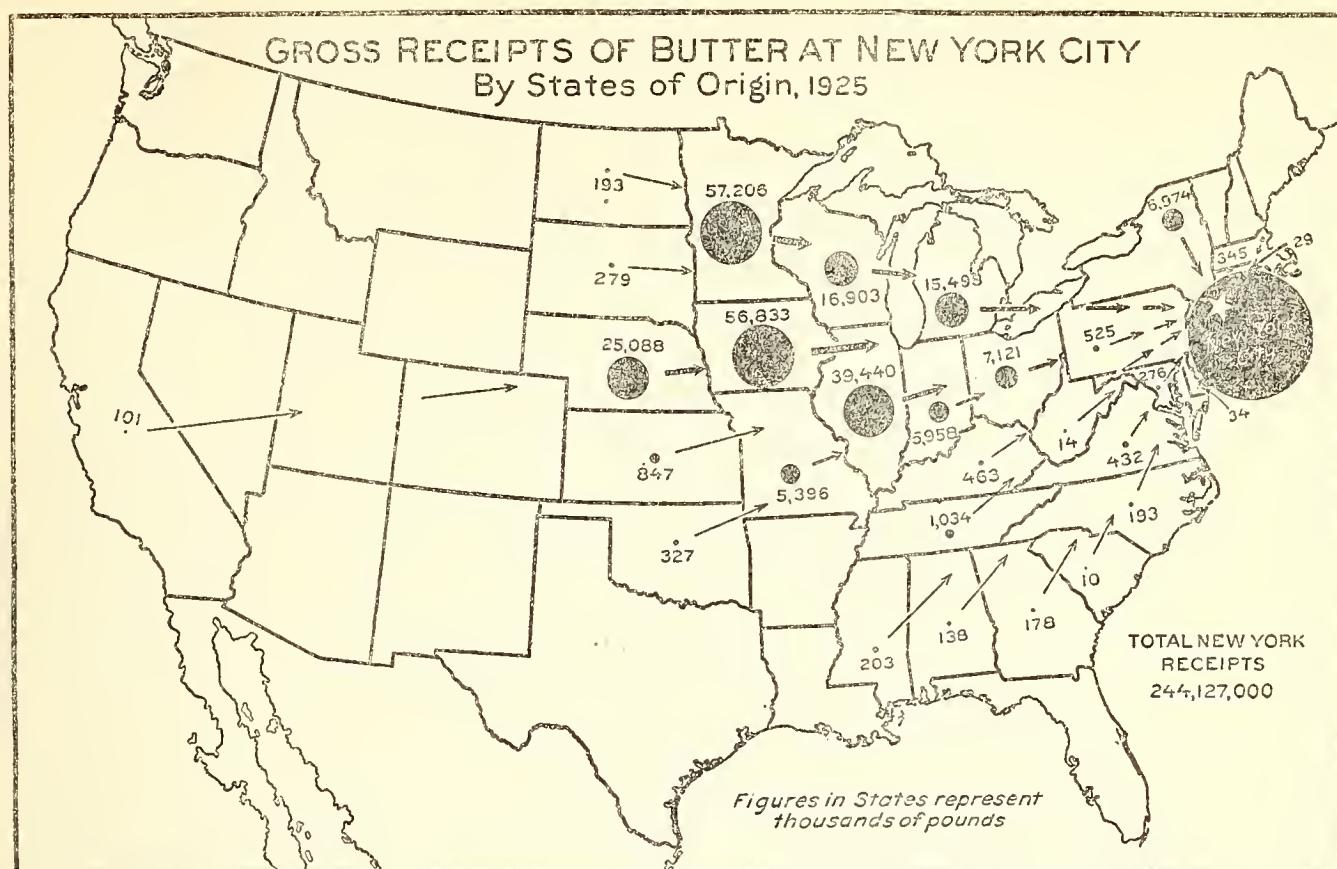


Fig. 38.

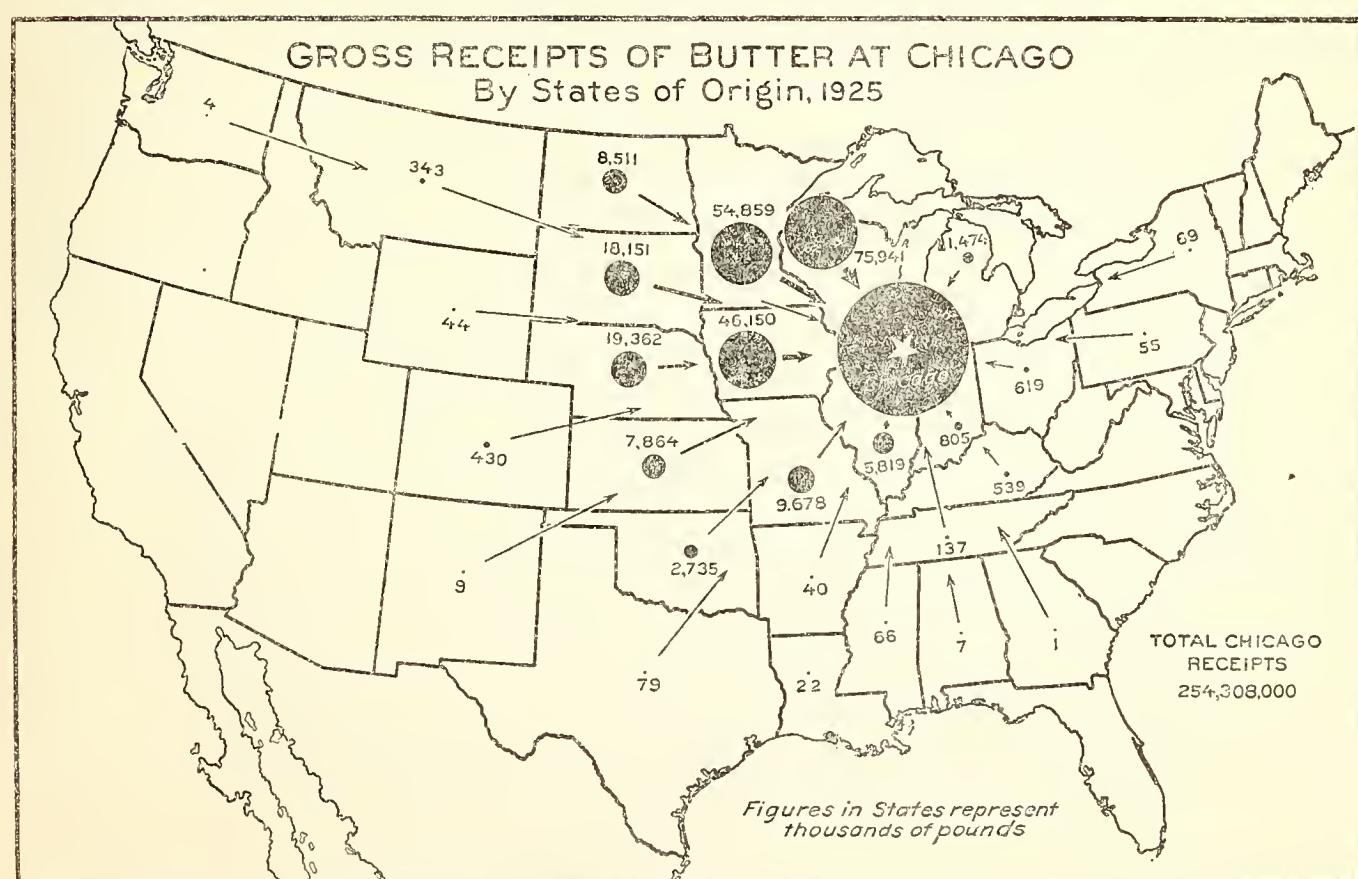


Fig. 39.



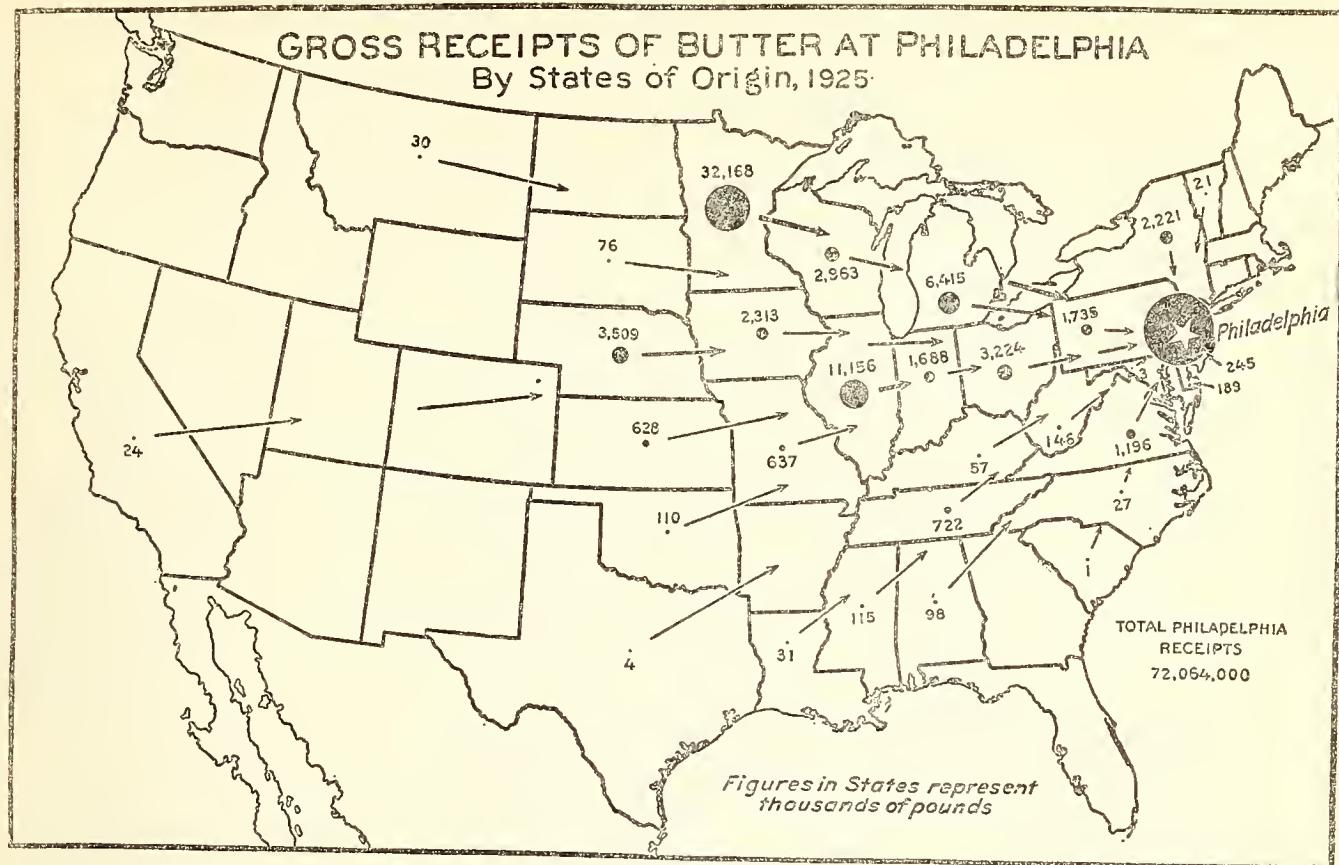


Fig. 40.

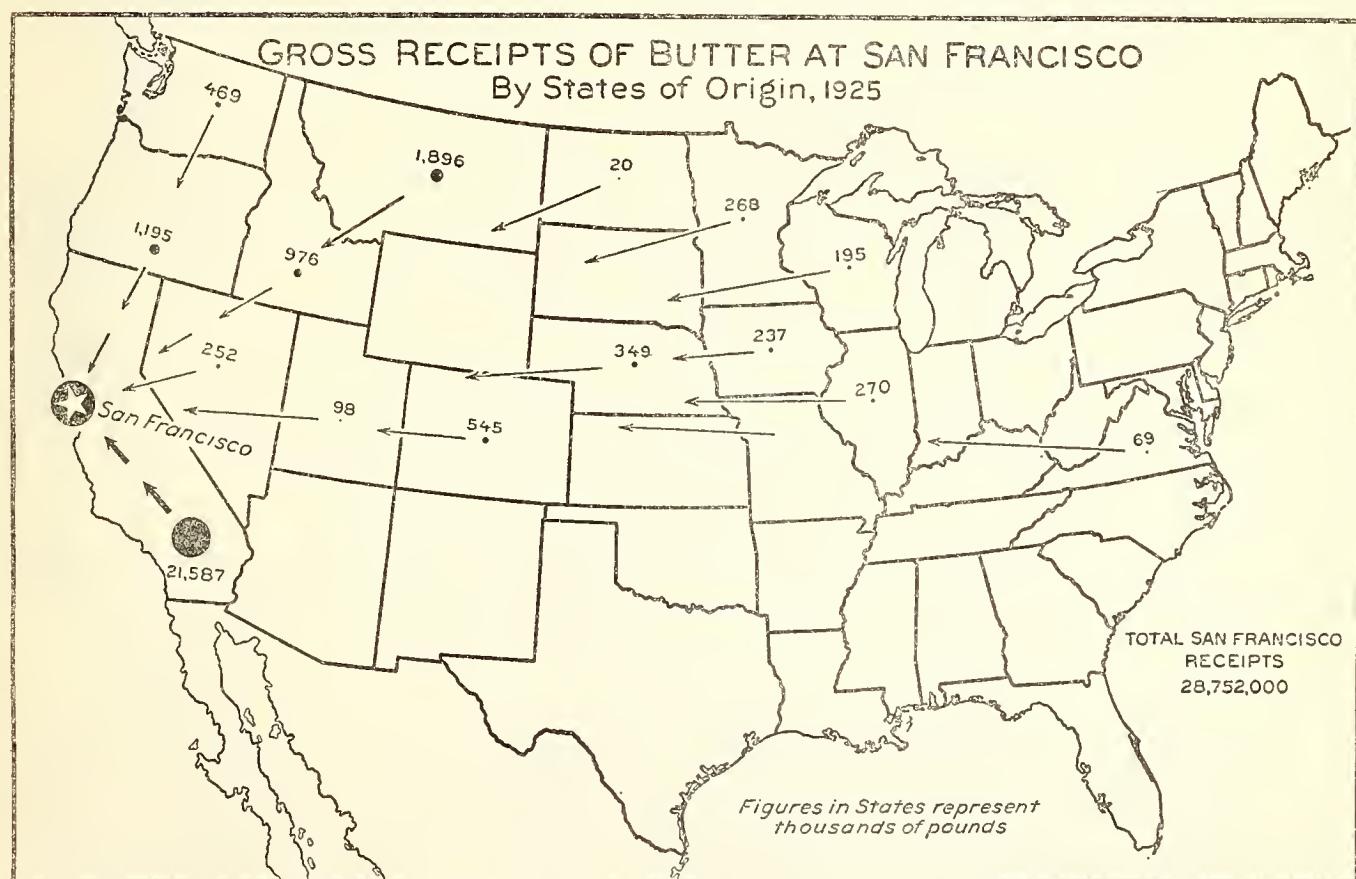


Fig. 41.



Table 29. Butter: Gross receipts at five markets by divisions and states of origin, 1922-1925.

BOSTON

Division and State	1922	1923	1924	1925
	1,000	1,000	1,000	1,000
	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Western States	23	-	220	71
Montana	23	-	220	39
Washington	-	-	-	20
Wyoming	-	-	-	12
North Atlantic	13,952	12,627	12,453	11,266
South Atlantic	5	-	-	23
North Central	65,686	69,332	73,553	70,857
South Central	491	166	379	258
Canada	-	137	29	-
Miscellaneous	-	397	287	-
Total	80,157	82,659	86,921	82,475

NEW YORK

Western States	394	692	765	102
Arizona	1	-	-	-
California	364	283	87	102
Colorado	-	-	107	-
Idaho	-	-	106	-
Montana	-	-	465	-
Utah	-	210	-	-
Washington	29	194	-	-
North Atlantic	12,472	7,844	9,820	7,872
South Atlantic	1,426	1,088	1,186	1,185
North Central	223,029	227,813	233,593	230,761
South Central	2,064	2,286	2,104	2,166
Canada	1,828	3,631	950	1,850
Miscellaneous	-	412	341	191
Total	241,213	243,766	248,759	244,127

PHILADELPHIA

Western States	359	59	445	54
California	357	59	224	24
Montana	-	-	221	30
Wyoming	2	-	-	-
North Atlantic	6,095	8,529	4,223	4,222
South Atlantic	1,994	2,535	1,941	1,700
North Central	53,562	55,570	66,861	64,777
South Central	2,258	1,528	2,628	1,137
Canada	-	252	391	174
Miscellaneous	-	124	242	-
Total	64,268	68,597	76,731	72,064

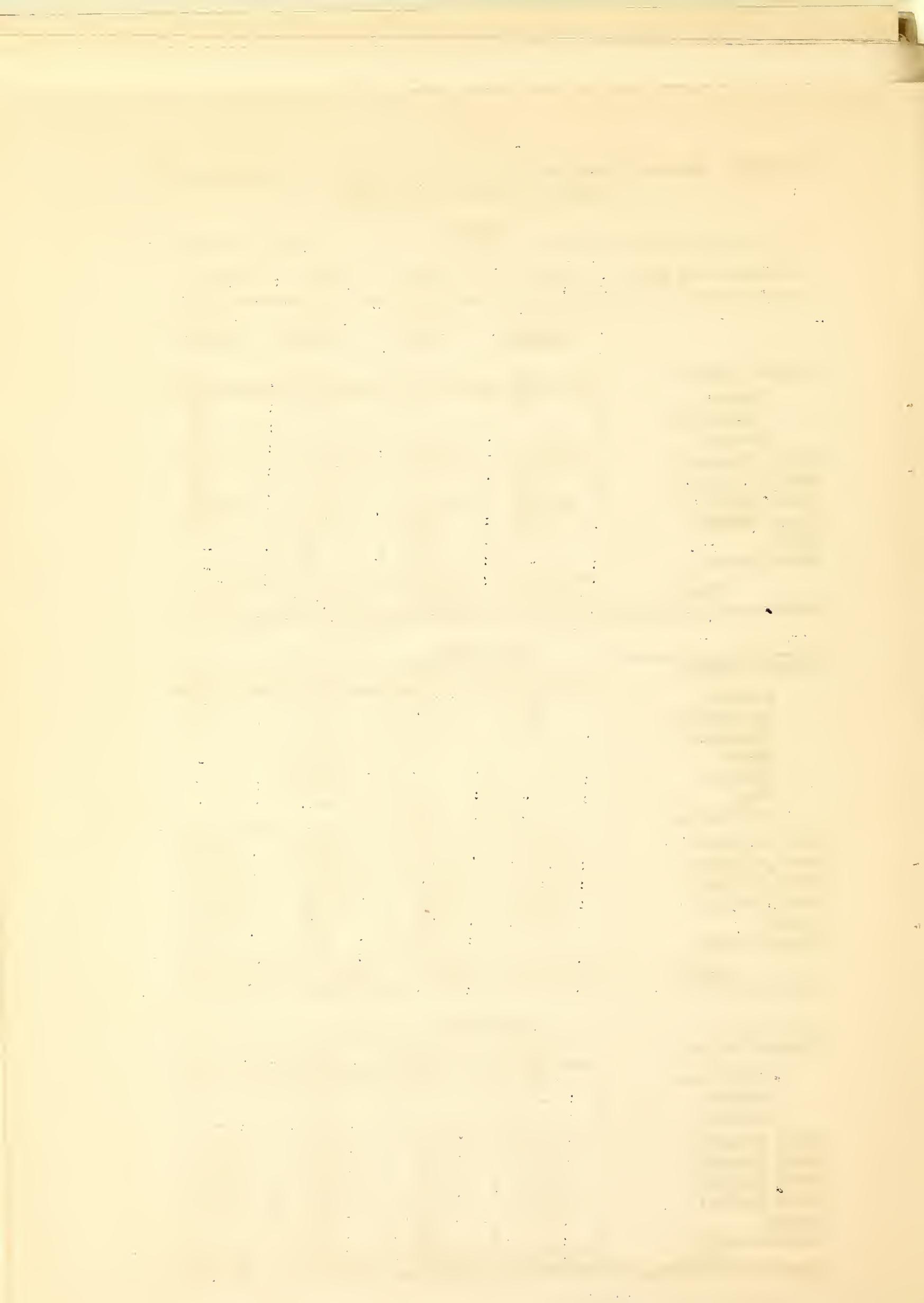


Table 29 - Butter: Gross receipts at five markets by division and states of origin, 1922-1925 (continued)

CHICAGO

Division and State	1922	1923	1924	1925
	1,000	1,000	1,000	1,000
	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Western States	1,969	2,466	3,344	830
California	192	319	-	-
Colorado	1,317	1,239	1,829	430
Idaho	34	233	202	-
Montana	299	643	1,077	343
New Mexico	7	32	44	9
Utah	120	-	192	-
Washington	-	-	-	4
Wyoming	-	-	-	44
North Atlantic	67	36	256	124
South Atlantic	3	10	8	2
North Central	208,506	219,787	251,083	249,234
South Central	2,420	3,259	3,017	3,623
Canada	47	215	-	470
New Zealand	29	-	-	-
Miscellaneous	60	118	376	25
Total	213,101	225,891	258,084	254,308

SAN FRANCISCO

Western States	25,478	24,999	26,145	27,018
California	23,352	21,805	22,984	21,587
Colorado	120	-	-	545
Idaho	402	502	490	976
Montana	155	361	701	1,896
Nevada	388	293	259	252
Oregon	585	1,177	947	1,195
Utah	136	179	158	98
Washington	332	582	606	469
Wyoming	8	-	-	-
North Central	438	25	-	1,339
South Atlantic	-	-	-	69
Canada	-	316	-	326
Miscellaneous	-	171	266	-
Total	25,916	25,511	26,411	28,752



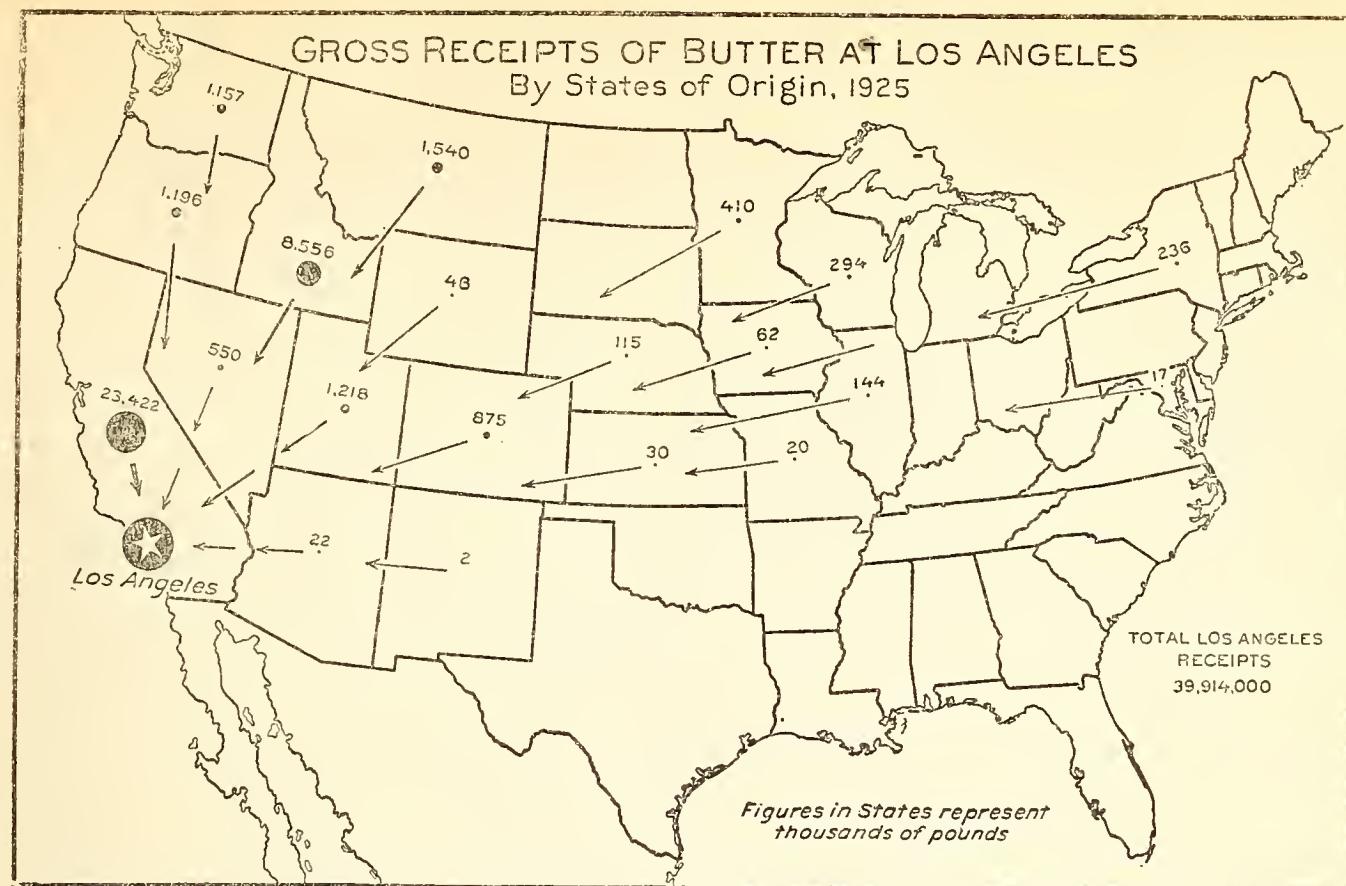


Fig. 42

Fig. 38-42. Figures 38 to 42 show the gross receipts of butter at five markets by states of origin for 1925. Philadelphia received butter from 32 States, Chicago from 28, New York from 27, Los Angeles from 20 and San Francisco from 15. The bulk of the butter received at New York, Philadelphia and Chicago came from the North Central States. That during 1925 butter was shipped (1) from California to Chicago, Philadelphia and New York and (2) from Maryland, Virginia and New York to either Los Angeles or San Francisco, is the important point to be observed. For receipts of butter at four of these markets from 1922 to 1924 see Table 29.

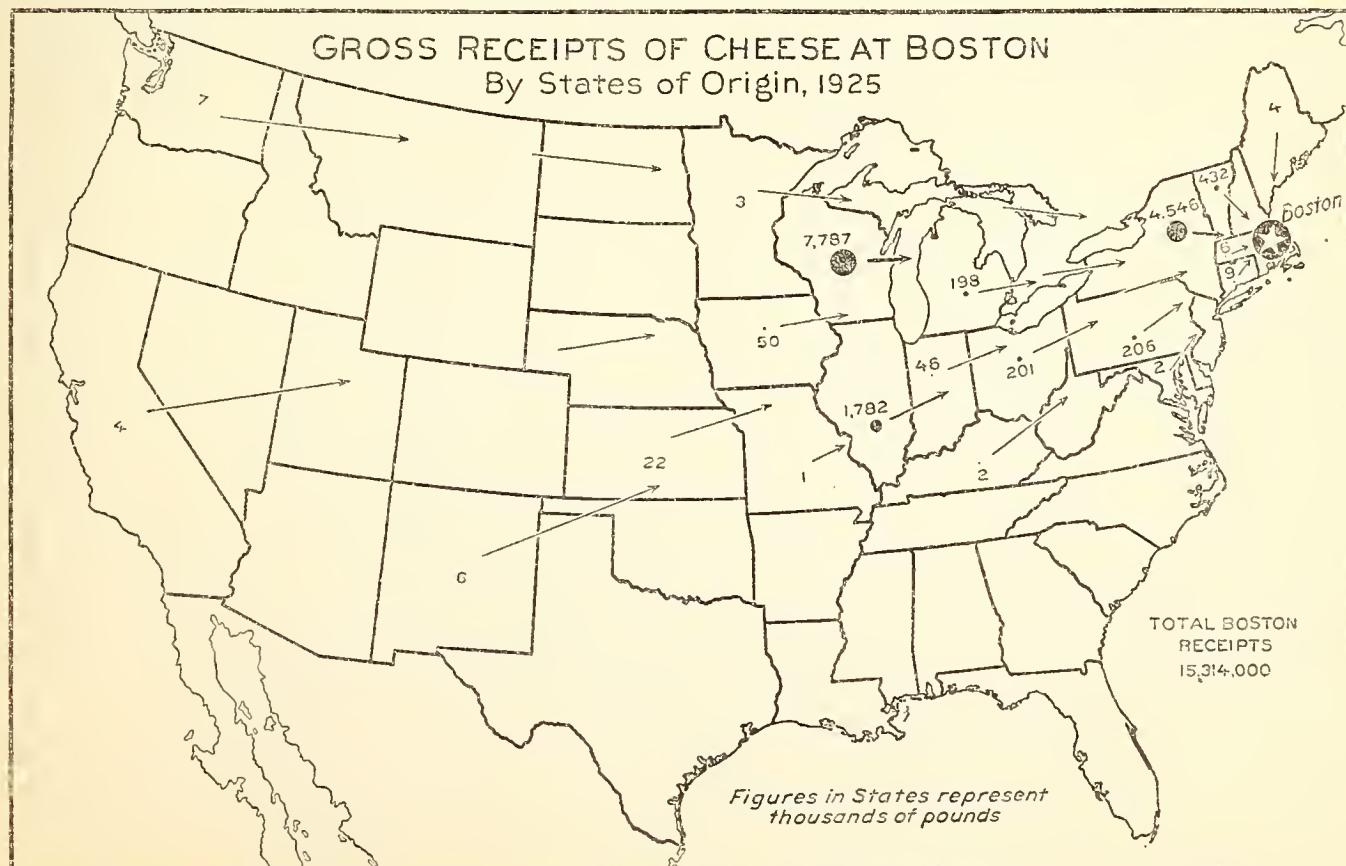


Fig. 43



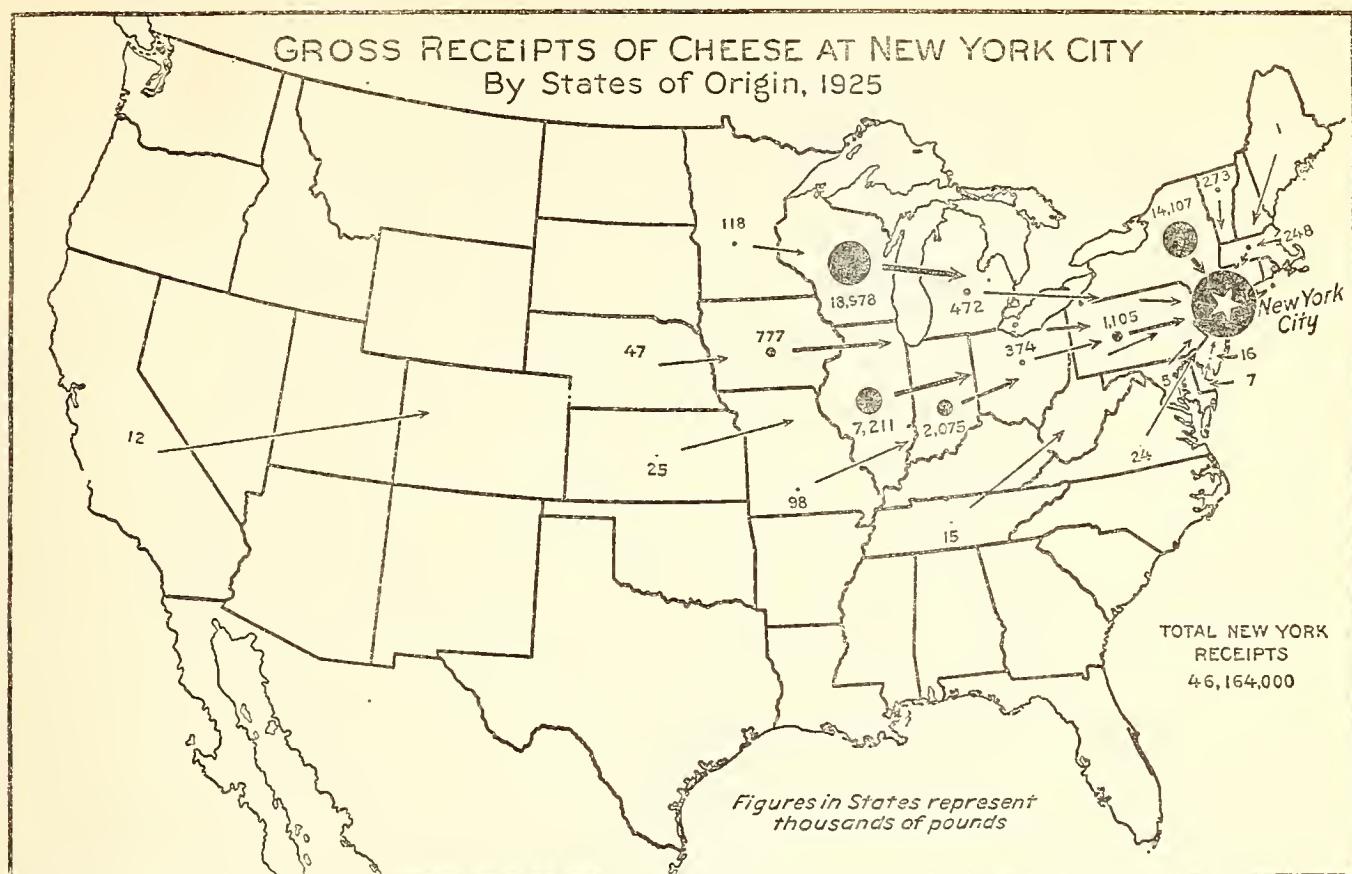


Fig. 44.

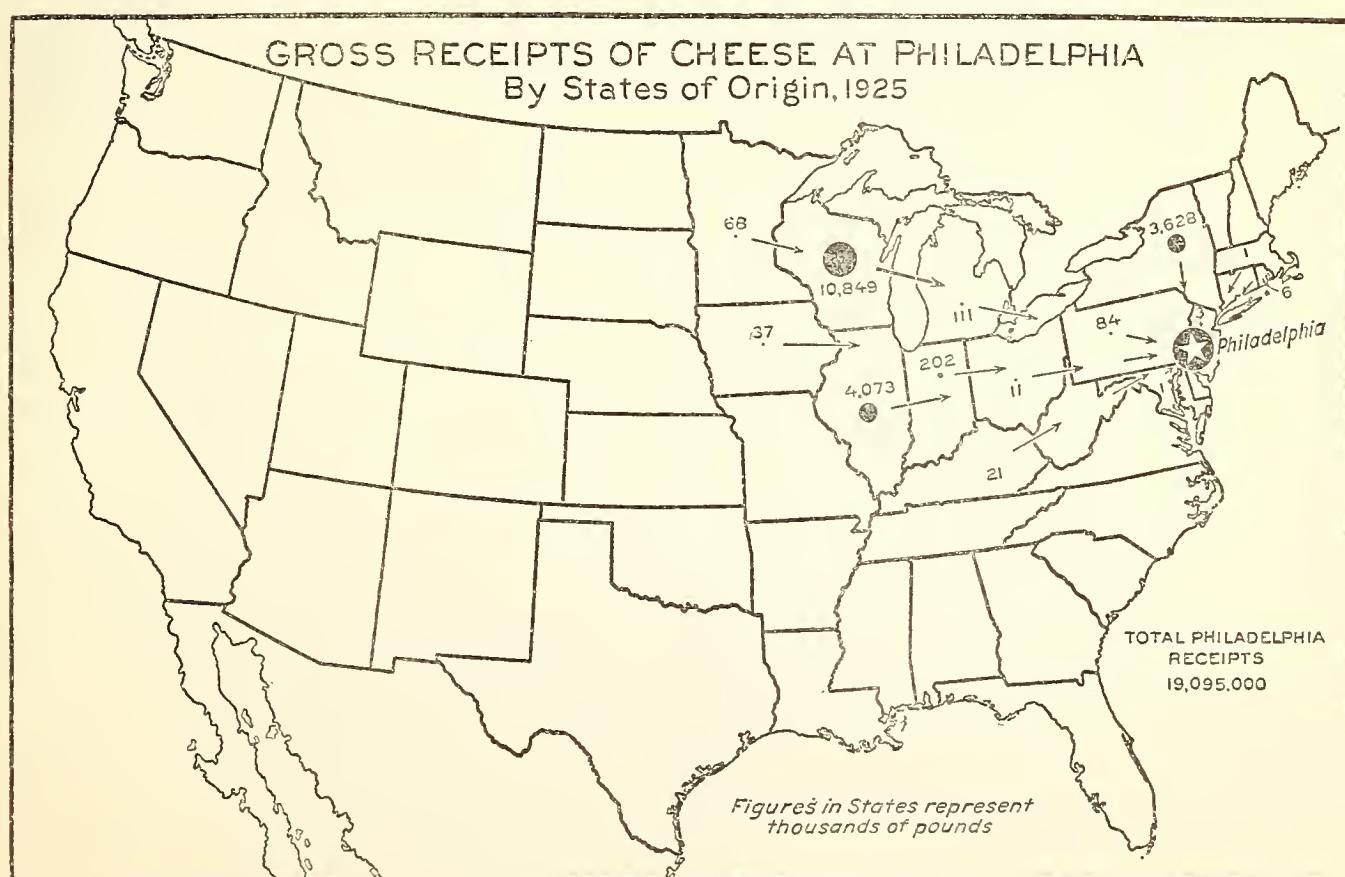


Fig. 45.



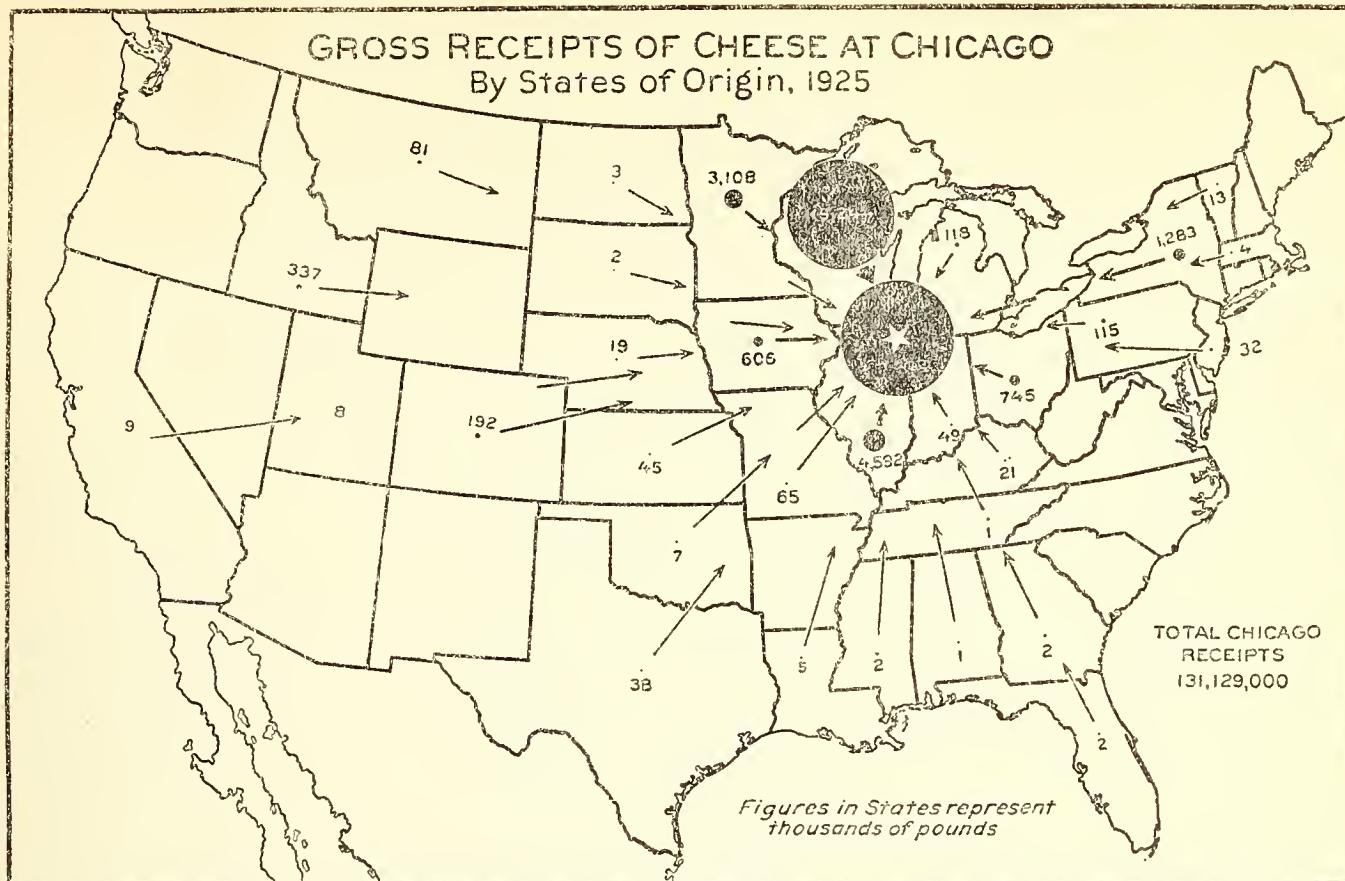


Fig. 46.

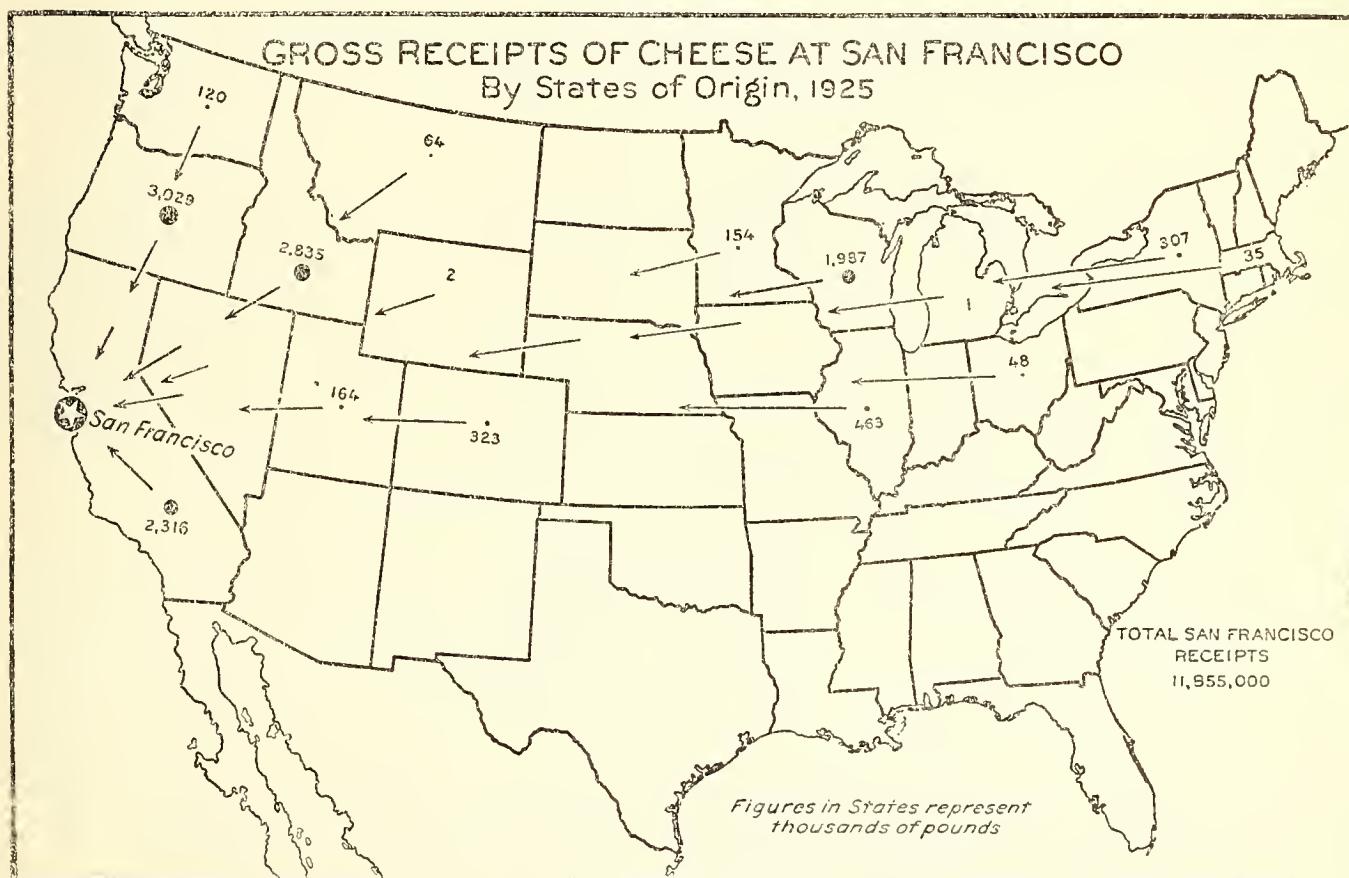


Fig. 47.

Fig. 43-47. Figures 43 to 47 show the gross receipts of cheese at five markets by states of origin for 1925. Chicago is the primary cheese market and Wisconsin produced about 75 per cent of the cheese that reached these five cities. Chicago received cheese from 31 states during 1924, New York from 21, Boston from 20, Philadelphia from 14 and San Francisco from 14. For receipts of cheese at these markets from 1922 to 1924 see Table 30.



Table 30. Cheese: Gross receipts at five markets by divisions and states of origin, 1922-1925.

BOSTON

Geographic division	1922	1923	1924	1925
	1,000	1,000	1,000	1,000
	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Western States	-	-	-	11
California	-	-	-	4
Washington	-	-	-	7
North Atlantic	7,559	8,324	6,166	5,256
South Atlantic	-	-	-	2
North Central	5,650	7,487	7,465	10,044
South Central	-	-	-	1
Canada	209	-	56	-
Miscellaneous	-	102	37	-
Total	13,418	15,913	13,724	15,314

NEW YORK

Western States	94	174	-	12
California	-	-	-	12
Colorado	40	-	-	-
Washington	54	174	-	-
North Atlantic	23,284	18,485	15,495	15,753
South Atlantic	26	102	78	36
North Central	25,369	30,135	27,017	30,176
South Central	74	-	-	15
Canada	1,190	428	259	140
Miscellaneous	-	101	109	32
Total	50,037	49,425	42,958	46,164

PHILADELPHIA

North Atlantic	5,200	4,839	3,973	3,721
South Atlantic	61	-	-	1
North Central	14,054	13,420	12,700	15,352
South Central	1	-	-	21
Canada	8	-	-	-
Miscellaneous	-	125	187	-
Total	19,324	18,384	16,865	19,095



Table 30. Cheese: Gross receipts at five markets by divisions and states of origin, 1922-1925. (continued)

CHICAGO

Geographic Division	1922	1923	1924	1925
	1,000	1,000	1,000	1,000
	pounds	pounds	pounds	pounds
Western States	214	401	1,019	627
California	57	-	-	9
Colorado	104	16	34	192
Idaho	19	168	675	337
Montana	26	203	310	81
Utah	8	14	-	8
North Atlantic	2,757	2,742	1,920	1,400
South Atlantic	-	-	-	4
North Central	104,420	120,164	126,421	128,598
South Central	28	67	12	73
Canada	250	246	373	380
Miscellaneous	-	26	278	47
Total	107,669	123,646	130,923	131,129

SAN FRANCISCO

Western States	6,602	7,918	7,889	8,860
California	3,416	3,650	2,603	2,316
Colorado	322	222	256	323
Idaho	222	1,039	2,262	2,835
Montana	56	338	-	64
Nevada	18	-	-	7
Oregon	2,448	2,557	2,710	3,029
Utah	10	-	-	164
Washington	108	112	58	120
Wyoming	2	--	-	2
North Atlantic	314	249	310	342
North Central	2,262	3,483	3,037	2,653
Miscellaneous	-	51	246	-
Total	9,173	11,701	11,482	11,855



RECEIPTS OF CREAMERY BUTTER AT THE FOUR PRINCIPAL MARKETS  
NEW YORK, CHICAGO, PHILADELPHIA, AND BOSTON  
Monthly, 1920-1926

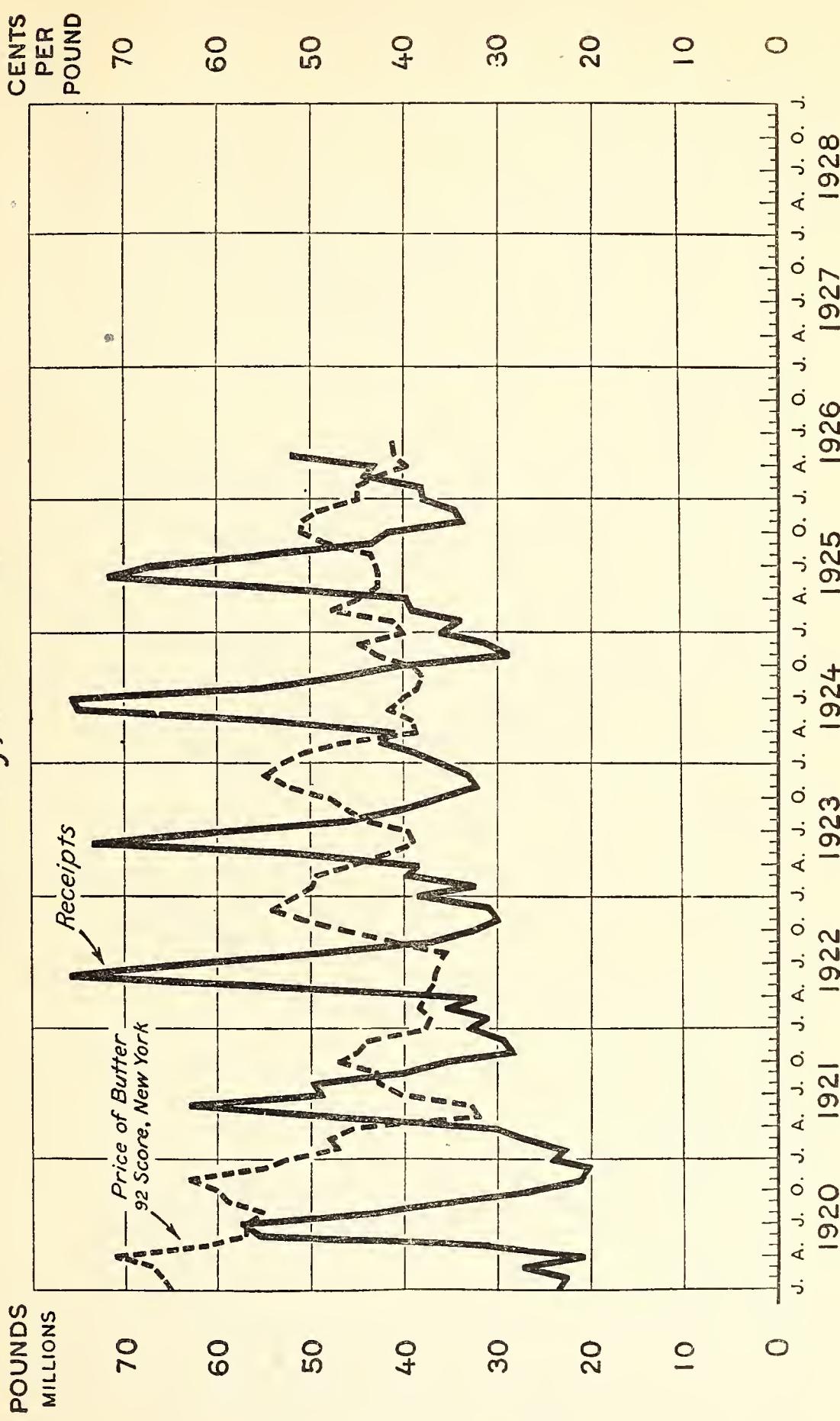
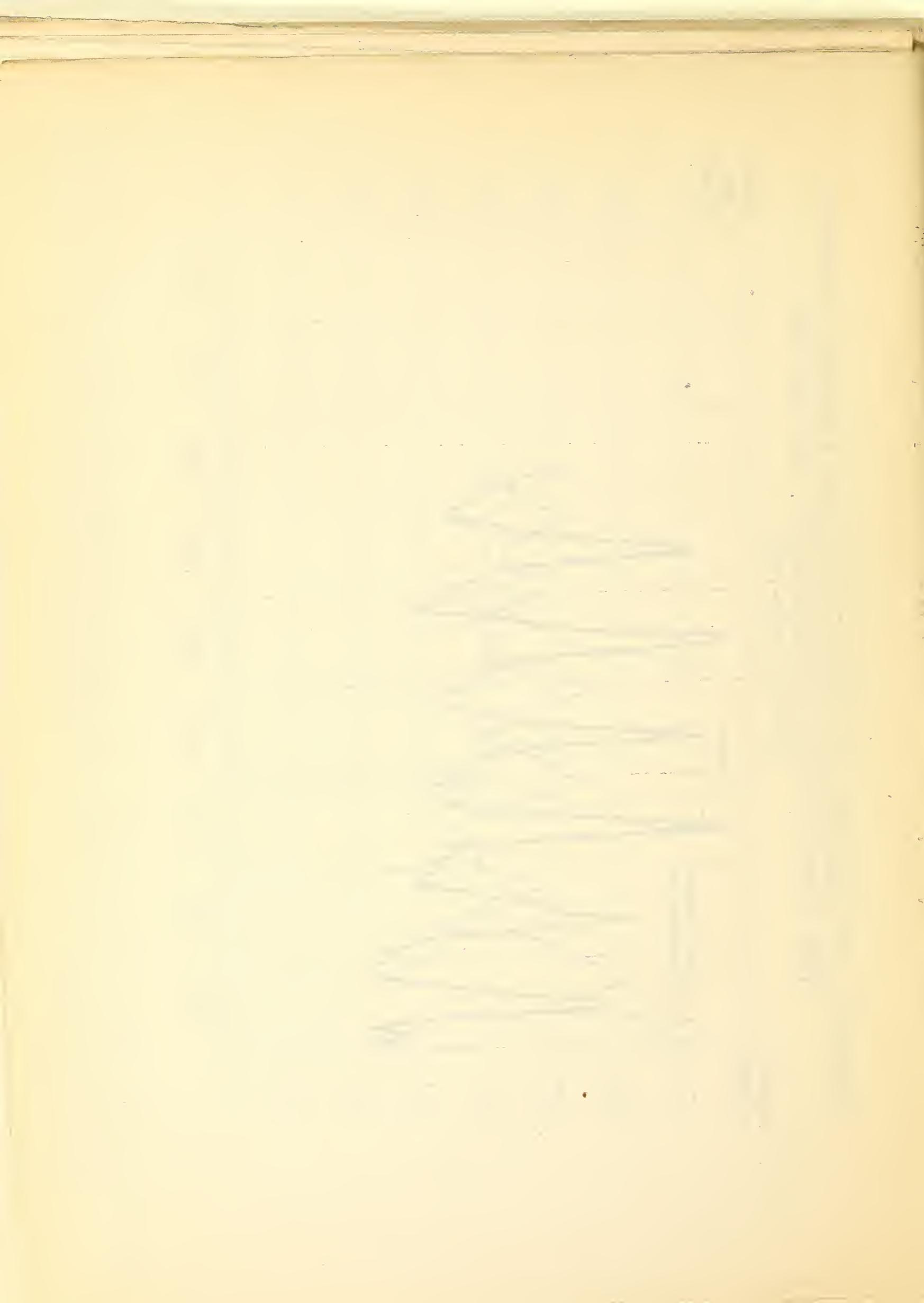


Fig. 48. As a rule, butter is shipped to market very soon after it is made. As a result receipts at the primary wholesale markets are heavy during the flush season of production and light during the slack season. Receipts at the four principal markets are generally heaviest during June and lightest during November or December. The New York price of butter tends to drop as receipts at these markets are increasing and rise as receipts are decreasing.



BUTTER, 92 SCORE CREAMERY  
AVERAGE WHOLESALE PRICES PER POUND  
AT CHICAGO, NEW YORK, AND SAN FRANCISCO  
1921-1925

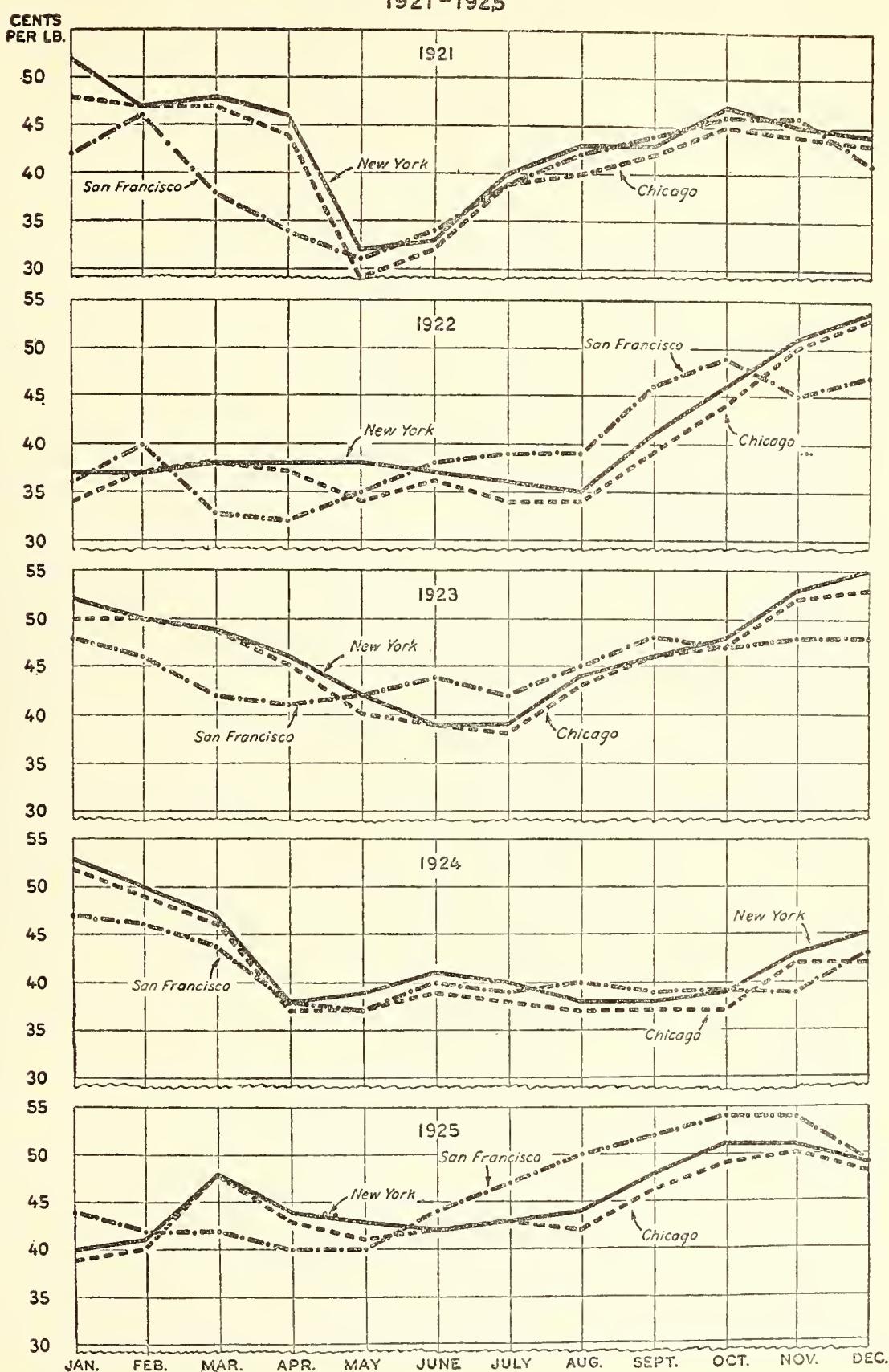
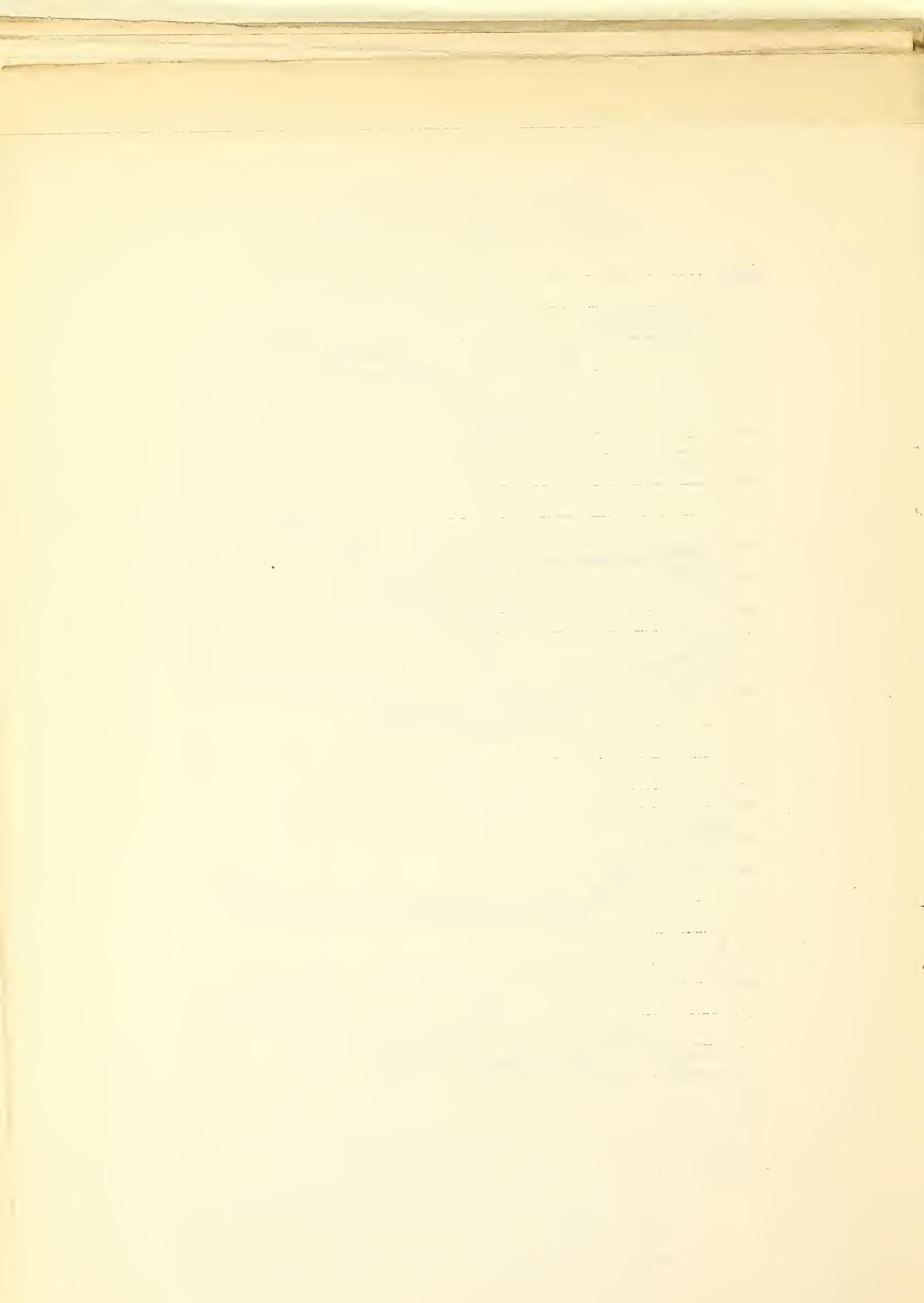


Fig. 49. The San Francisco price is generally enough below the Chicago and New York prices during March or April to permit butter to move eastward. When the flush season of production comes on in the dairy belt, Chicago and New York prices usually drop below the San Francisco price, and when the differential is sufficient butter may move from the East to the Western markets.



MONTHLY AVERAGE PRICES OF BUTTER IN LONDON AND NEW YORK  
AND TOTAL MONTHLY IMPORTS OF BUTTER INTO UNITED STATES  
APRIL 1921 - DEC. 1925

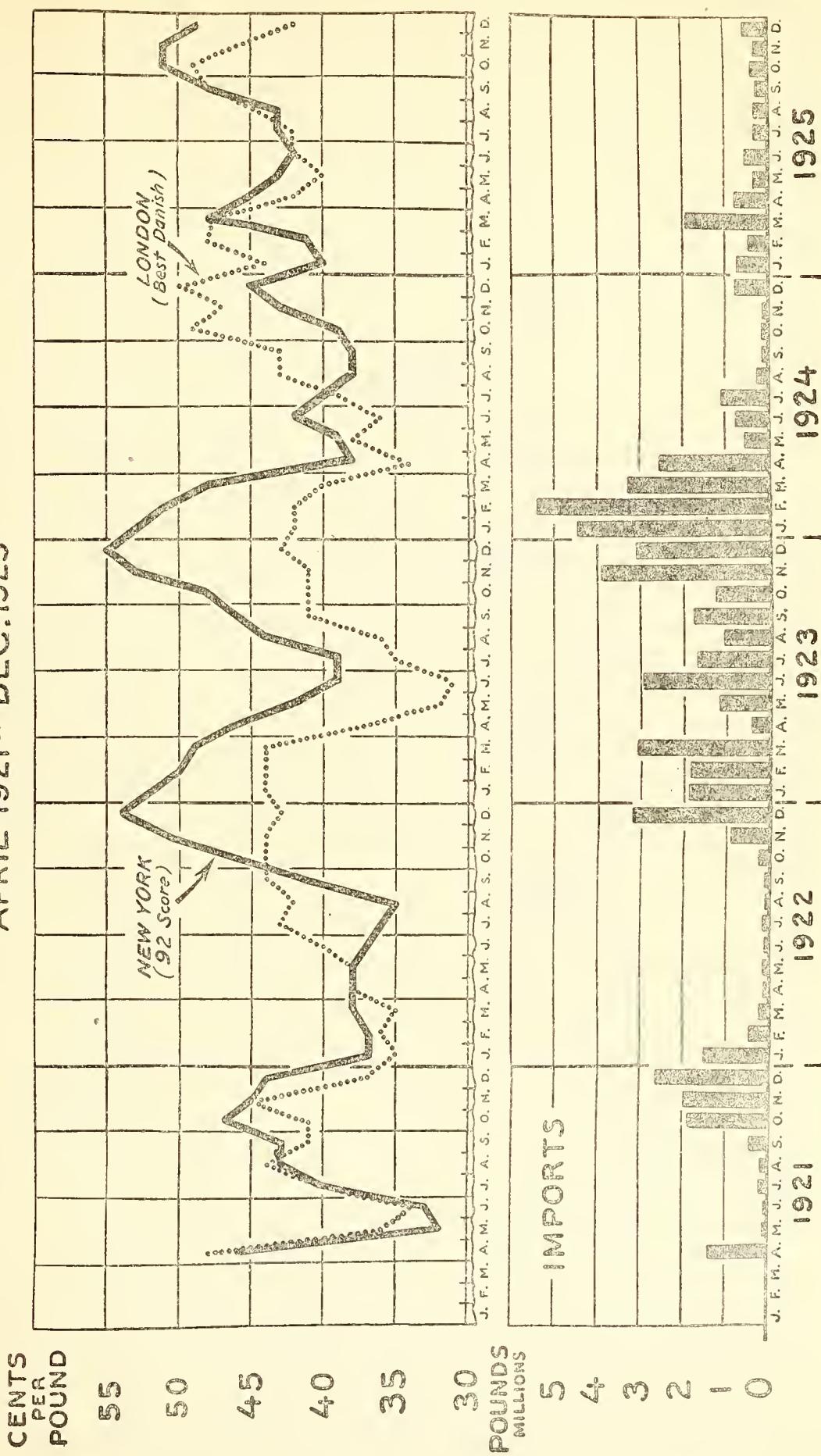


Fig. 50. The importation of butter into the United States responds readily to the spread between the prices of butter in New York and London. As the New York price rises above the London price, imports tend to increase, and vice versa.

24

25

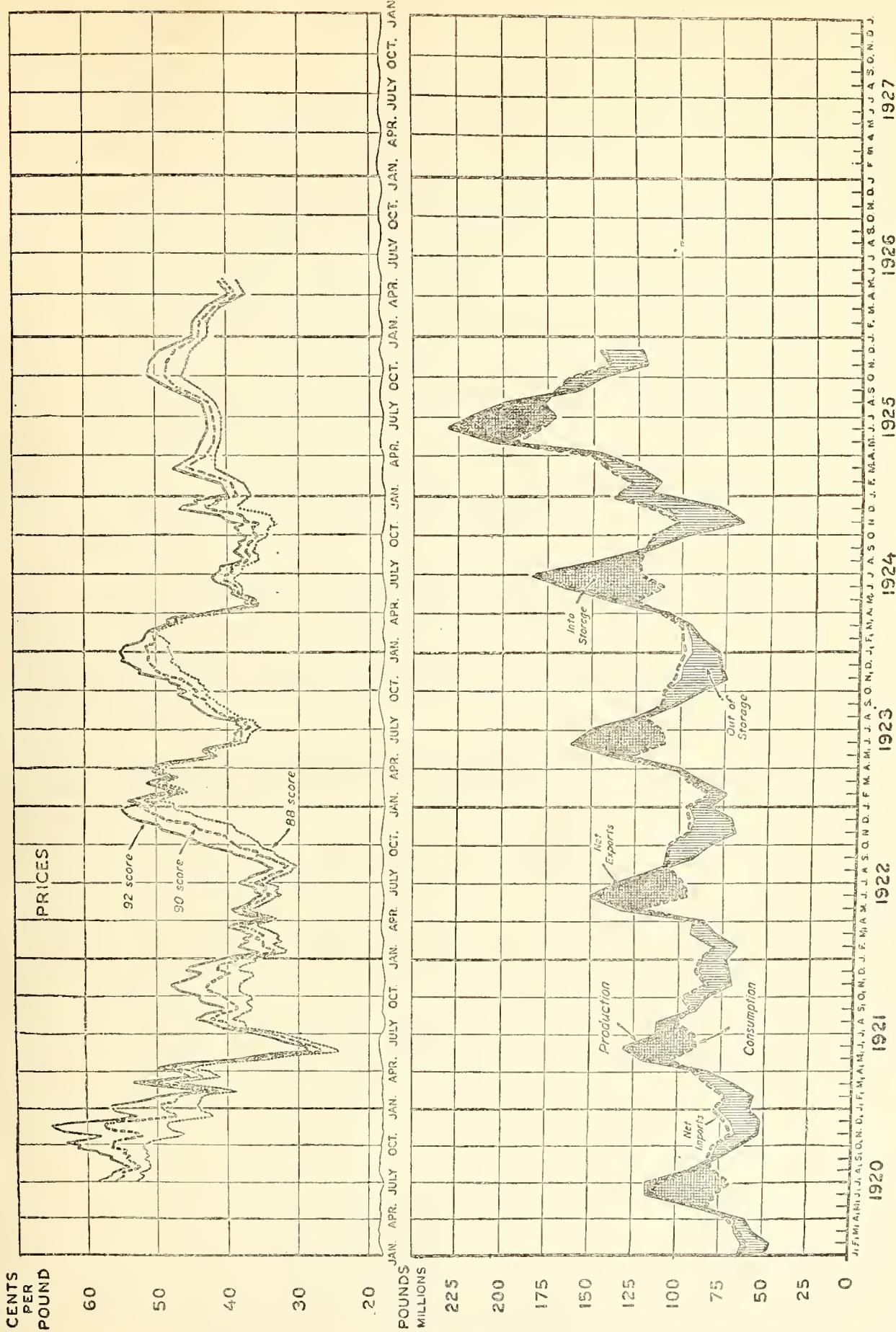


Fig. 51. The upper part of this figure compares the price of 92 score (good) butter with that of 88 score (fair to poor) butter. On the New York market the difference between the prices of these two grades of butter has averaged about 5 cents per pound but differences as great as 15 cents have occurred. The lower part of the figure shows the seasonal production, consumption, imports and exports of butter.



Table 31 - Average retail price per quart for bottled milk delivered to consumers in 25 cities by months, 1925

City	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Boston, Mass.	14 1/2	14 1/2	13 1/2	13 1/2	13 1/2	13	14	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2
New Haven, Conn.	16	16	16	15	15	15	15	15	16	16	16	16
New York, N. Y.	15	15	15	15	15	15	15	15	15	15	15	15
Philadelphia, Pa.	12	12	12	12	12	12	12	12	12	12	12	12
Baltimore, Md.	13	13	13	13	13	13	13	13	13	13	13	13
Washington, D. C.	14	14	14	14	14	14	14	14	14	14	14	14
Jacksonville, Fla.	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	18	18 1/2	17 1/2	17 1/2	18 1/2	20 1/2	20 1/2
Pittsburgh, Pa.	14	14	14	14	14	14	14	14	14	14	14 1/2	14 1/2
Cleveland, Ohio	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13	14	14	14	14	14	14
Detroit, Mich.	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2
Chicago, Ill.	14	14	14	14	14	14	14	14	14	14	14	14
Milwaukee, Wis.	10	10	10	10	10	10	10	10	10	10	10	10
Minneapolis, Minn.	11	11	11	11	11	11	11	11	11	11	11	11
Indianapolis, Ind.	12	11	10	10	10	10	10	10	10	10	10	10
Kansas City, Mo.	13	13	13	13	13	13	13	13	13	13	13	13
Omaha, Nebr.	12	11	11	11	11	11	11	11	11	11	11	11
Louisville, Ky.	13	13	12	12	12	12	12	12	12	12	12	12
New Orleans, La.	14	14	14	14	14	14	14	14	14	14	14	14
Dallas, Texas	15	15	15	15	15	15	15	15	15	15	15	15
Denver, Colo.	12	12	12	10	10	10	10	10	10	12	12	12
Salt Lake City, Utah	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	11	11	10 1/2	10 1/2	11	10 1/2	10 1/2
Seattle, Wash.	10	12	12	12	12	12	12	12	12	12	13	13
Portland, Ore.	11	11	11	11	11	11	11	11	11	11 1/2	11 1/2	11 1/2
San Francisco, Calif.	14	14	14	14	14	14	14	14	14	14	14	14
Los Angeles, Calif.	14	14	14 1/2	15	15	15	15	15	15	15	15	15
Average	13.18	13.18	13.04	13.02	12.90	12.86	12.84	13.32	13.18	13.18	13.62	13.70



Table 32 - Average price per hundredweight paid to producers supplying condensers 3.5 per cent milk 1925 2/

Geographic	Division 1/	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.
New England		2.21	2.22	2.22	2.06	1.96	1.81	1.82	2.06	2.06	2.15	2.20	2.30
Mid. Atlantic		2.14	2.29	2.21	2.21	2.25	2.05	2.17	2.16	2.18	2.27	2.33	2.37
S. Atlantic		-	-	-	-	-	-	-	-	-	-	-	-
E. N. Central		1.93	1.92	1.94	1.94	1.90	1.84	1.91	1.98	2.01	2.08	2.12	2.14
W. N. Central		1.85	1.83	1.82	1.82	1.77	1.76	1.83	1.88	1.90	1.92	2.03	2.02
S. Central		-	-	-	-	-	-	-	-	-	-	-	-
N. Western		1.79	1.84	1.84	1.79	1.75	1.70	1.84	1.96	2.02	2.10	2.15	2.17
S. Western		1.79	1.78	1.76	1.76	1.67	1.66	1.78	1.88	1.97	2.02	2.09	2.10
United States		1.92	1.93	1.93	1.93	1.88	1.82	1.91	1.98	2.01	2.09	2.15	2.15

1/ New England - Maine, N. H., Vt., Mass., R. I., Conn.

Middle Atlantic - N. Y., N. J., Pa.

South Atlantic - Del., Md., D. C., Va., W. Va., N. C., S. C., Ga., Fla.

East North Central - Ohio, Ind., Ill., Mich., Wis.

West North Central - Minn., Iowa, Mo., N. D., S. D., Nebr., Kans.

South Central - Ky., Tenn., Ala., Miss., La., Texas, Okla., Ark.

Northwestern - Mont., Wyo., Idaho, Wash., Ore.

Southwestern - Colo., N. M., Ariz., Nev., Utah, Calif.

2/ All figures f.o.b. factory.

Table 33 - Average price per hundredweight paid to producers supplying city milk trade 3.5 per cent milk, 1925 2/

Geographic	Division 1/	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.	Dols.
New England		3.45	3.47	3.24	3.02	3.06	2.96	3.26	3.39	3.44	3.48	3.58	3.44
Mid. Atlantic		2.80	2.82	2.84	2.75	2.66	2.51	2.49	2.71	2.59	2.67	2.67	2.75
E. N. Central		2.48	2.54	2.49	2.45	2.47	2.45	2.40	2.44	2.44	2.53	2.48	2.58
W. N. Central		2.20	2.19	2.19	2.14	2.13	2.11	2.09	2.19	2.17	2.26	2.32	2.34
S. Atlantic		3.36	3.25	3.25	3.42	3.35	3.23	3.32	3.41	3.41	3.71	3.95	3.97
E. S. Central		2.63	2.78	2.59	2.55	2.27	2.21	2.24	2.37	2.24	2.64	2.73	2.60
W. S. Central		2.48	2.83	2.54	2.52	2.40	2.26	2.35	2.49	2.63	2.81	2.66	2.71
Mountain		2.42	2.46	2.34	2.34	2.29	2.31	2.53	2.38	2.48	2.57	2.48	2.40
Pacific		2.59	2.73	2.73	2.74	2.71	2.47	2.48	2.69	2.61	2.79	2.68	2.91
United States		2.68	2.73	2.65	2.62	2.58	2.50	2.55	2.65	2.66	2.79	2.78	2.80



Table 34 - Monthly average wholesale prices on 92 score butter, 1925  
(Cents per pound)

Month	New York	Chicago	Philadelphia	Boston	San Francisco
	Cents	Cents	Cents	Cents	Cents
Jan.	39.94	38.86	40.99	40.69	43.69
Feb.	40.82	40.09	41.74	41.11	42.21
Mar.	47.51	47.66	48.33	47.42	42.52
Apr.	44.54	42.96	40.46	45.30	39.95
May	42.58	40.73	43.58	42.98	39.94
June	42.48	42.19	43.31	43.26	44.10
July	42.86	42.20	43.83	43.54	47.33
Aug.	43.45	41.64	44.28	43.98	49.97
Sept.	48.18	46.35	48.96	47.88	51.74
Oct.	50.88	49.23	52.15	50.60	53.97
Nov.	50.67	49.51	51.81	50.23	54.34
Dec.	43.20	47.45	50.02	49.16	48.73
Average	45.26	44.07	45.79	45.51	46.54

Table 35 - Monthly average wholesale prices fresh No. 1 American Cheese - 1925  
(Single Daisies - cents per pound)

Month	New York	Chicago	Philadelphia	Boston	Plymouth, Wis. <sup>1/</sup>
	Cents	Cents	Cents	Cents	Cents
Jan.	25.16	24.17	24.64	24.62	24.25
Feb.	24.06	23.02	24.55	24.52	23.05
Mar.	24.36	22.59	24.62	24.82	22.76
Apr.	24.29	22.37	24.81	24.33	22.53
May	23.70	21.99	23.75	23.45	21.90
June	23.82	22.50	23.92	24.25	22.47
July	23.81	22.01	23.55	24.46	21.82
Aug.	24.44	23.24	24.69	24.75	23.01
Sept.	24.42	23.16	24.41	24.82	22.98
Oct.	25.38	23.79	25.22	25.82	23.84
Nov.	26.53	23.29	25.13	25.50	23.32
Dec.	25.26	23.69	25.22	25.79	23.87
Average	24.60	22.98	24.55	24.76	22.98

<sup>1/</sup> Fond du Lac, Wisconsin prior to October 1, 1925.

<sup>2/</sup> Flats.

<sup>3/</sup> Twins.



Table 36 - Freight rates per 100 pounds and refrigeration charges per car on butter and cheese, May 1926

From	To	Butter				Cheese			
		Carlots		L.C.L.1		Carlots		L.C.L.1	
		Freight	Refrig-	Freight	Freight	Freight	Refrig-	Freight	rate
		rate	eration	rate	rate	rate	eration	rate	charge
		Cents	Dollars	Cents	Dollars	Cents	Dollars	Cents	
San Francisco	New York	2/ 230	: 90	2/ 480	-	-	-	-	
San Francisco	" "	300	: 90	480	300	90	480		480
Portland	" "	300	: 90	480	300	90	480		480
Seattle	" "	300	: 90	480	300	90	480		480
Boise	" "	300	: 80	486 $\frac{1}{2}$	300	80	486 $\frac{1}{2}$		486 $\frac{1}{2}$
Salt Lake City	" "	300	3/	459 $\frac{1}{2}$	300	3/	459 $\frac{1}{2}$		459 $\frac{1}{2}$
Bozeman	" "	300	3/	452	300	3/	452		452
Denver	" "	261 $\frac{1}{2}$	3/	345	261 $\frac{1}{2}$	3/	345		345
Cedar Rapids	" "	142	3/	188 $\frac{1}{2}$	142	3/	188 $\frac{1}{2}$		188 $\frac{1}{2}$
St. Paul	" "	155 $\frac{1}{2}$	3/	200 $\frac{1}{2}$	155 $\frac{1}{2}$	3/	200 $\frac{1}{2}$		200 $\frac{1}{2}$
Plymouth	" "	137 $\frac{1}{2}$	3/	169 $\frac{1}{2}$	122	3/	158 $\frac{1}{2}$		158 $\frac{1}{2}$
San Francisco	Chicago	2/ 230	: 75	2/ 443	-	-	-	-	
San Francisco	"	300	: 75	443	300	75	443		443
Portland	"	300	: 75	443	300	75	443		443
Seattle	"	300	: 75	443	300	75	443		443
Boise	"	295 $\frac{1}{2}$	: 65	362	295 $\frac{1}{2}$	: 65	362		362
Salt Lake City	"	225	3/	335	225	3/	335		335
Bozeman	"	250	3/	339	250	3/	339		339
Denver	"	167	3/	220 $\frac{1}{2}$	167	3/	220 $\frac{1}{2}$		220 $\frac{1}{2}$
Cedar Rapids	"	47 $\frac{1}{2}$	3/	64	47 $\frac{1}{2}$	3/	64		64
St. Paul	"	61	3/	76	61	3/	76		76
Plymouth	"	43	3/	52	27 $\frac{1}{2}$	3/	34		34
New York	San Francisco	300	3/	480	300	3/	480		480
Chicago	" "	300	3/	443	300	3/	443		443
Plymouth	" "	300	3/	443	300	3/	443		443
St. Paul	" "	300	3/	428	300	3/	428		428
Cedar Rapids	" "	300	3/	428	300	3/	428		428
Denver	" "	264 $\frac{1}{2}$	3/	317	230	3/	317		317
Bozeman	" "	211 $\frac{1}{2}$	3/	272	211 $\frac{1}{2}$	3/	272		272
Boise	" "	164	: 55	284	164	: 55	284		284
Salt Lake City	" "	137 $\frac{1}{2}$	3/	184 $\frac{1}{2}$	137 $\frac{1}{2}$	3/	184 $\frac{1}{2}$		184 $\frac{1}{2}$
Portland	" "	58	3/	58	58	3/	58		58

17 No refrigeration rates given for less than carlots.

2/ Rate on imported goods.

3/ No specific through refrigeration rate given.



Table 37 - Ocean freight rates on butter, cheese and condensed milk, May 1926

From	To	Butter	Cheese	Condensed Milk
		Dollars	Dollars	Dollars
San Francisco <sup>1/</sup>	England	2/- 1.50	100 lbs. .70	.70
"	Hawaiian Islands	2/- 3.25	100 " 3.25	5.75
"	Hanq, Hawaiian Islands	2/- 3.50	100 " -	6.25
"	Japan	2/- 30.00	2/2,000 " 14.00	2/2,000
"	Japan	4/- 14.00	2/2,000 " -	9.00
"	China	2/- 30.00	2/2,000 " 14.00	2/2,000
"	China	4/- 14.00	2/2,000 " -	-
"	New York (carlot)	1.30	100 " 1.40	.45
"	New York (less than carlot)	1.30	100 " 2.10	.70
New Zealand	England	1.95	100 " 2.00	-
"	Hawaiian Islands	1.95	100 " 2.00	-
"	New York	1.95	100 " 2.00	20.26
"	San Francisco	1.95	100 " 2.00	20.26

Compiled from data furnished by the United States Shipping Board.

1/ San Francisco rates apply also to Portland and Seattle.

2/ Rate for refrigeration cargo.

3/ 2,000 pounds or 40 cu. ft. whichever may yield the vessel the greater revenue.

4/ Ordinary storage.  
5/ The rates to China varies from \$14.00 to \$14.50 per ton for cheese and from \$9.00 to \$9.50 per ton for condensed milk, according to the port of discharge.

Note: - Rates quoted in British money have been converted on the basis of 24.33 cents to the shilling and 2 cents to the pence.





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